Usenet Newsgroup Archive: rec.radio.amateur.moderated

2013

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Date span: 2013-01-01 through 2013-05-24

Source text: rec.radio.amateur.moderated.txt

Source item: https://archive.org/details/usenet-rec

Messages included in this PDF: 190

Messages are presented chronologically by archived date.

Binary or encoded payloads are not printed as blocks of encoded text; a placeholder appears where such material was detected. The original source text is unchanged.

1. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-01 01:58:24 UTC
From: Channel Jumper <Channel.Jumper.b27d178@radiobanter.com>
Message-ID: <Channel.Jumper.b27d178@radiobanter.com>
Source record: 111

I will add my own two cents and then let it be.

When dealing with amateur radio operators - the majority of them only has two meters capabilities. Since the majority of them are only a technician class license and many of them only has walkie talkies that can only talk to the one or two local repeaters...

Untrained operators are of no use to us.
You first need to get involved with ARES or RACES or both - since in many places the lack of real hams has led to them combining the two, even though they are two seperate entities.

In order for any radio equipment to work, you first have to have two transceivers on the same frequency and a clear path between them.
LOS is prefered since it is the only reliable source of communications.

On the other hand, 80 meters is prefered for emergency communications, because with the right antenna's, you can talk both locally and long distances. The problem there is that since most people do not have a General Class License, the only 80 meters they could do would be digital, since there is no code requirement and most of them do not know code either.

There were some articles in QST Magazine a while back pertaining to microwave equipment and microwave contests.
Those contests took place in the deserts of California and the receive was 500 miles away in Mexico - not a lot between the two antenna's except desert and the curvature of the earth - 8 inches per a mile..

And they were using low power mobile transceivers and transverters that were connected directly to the feed horn, while attached to a tripod.

They were not sending long messages - just enough to verify the signal was being heard - one letter was enough for a confirmation.....

WTAJ lost a mobile truck during the Jerry Sandusky scandal two years ago.
Even a used truck is going to run you $250,000.00
No one just gives them away....
A wrecked one might go for as little as $15,000.00 - but most of the equipment has been removed...

I know of a person that repairs microwave equipment - but he is not a ham and he doesn't like to talk much about what he does or give equipment away.
Its like a man who is a carpenter - that lives in the worst looking house in town or a man who is a auto mechanic who has a crappy looking

automobile - that runs really well but is a eye sore to look at.

If you PM me - I would give you the buisness address and you could inquire.
The problem being that his main customers are the government and the phone companies and the television stations and he deals mainly with obsolete equipment - since the government is broke, the phone company struggles to keep the Long Line equipment working and the television stations depends upon things being repaired cheaply.....

Good luck with your ECOM work....

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Channel Jumper

2. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-01 01:59:32 UTC
From: Fred McKenzie <fmmck@aol.com>
Message-ID: <fmmck-B3B8F1.18595031122012@5ad64b5e.bb.sky.com>
Source record: 112

In article <kbqffa$j3c$1@dont-email.me>,
Jerry Stuckle <jstucklex@attglobal.net> wrote:

> I'm just wondering - how do you think microwave equipment will help?
> Microwave is point-to-point, i.e. a satellite truck to a tv/radio
> station, where the radio station has a receiver on a relatively tall
> tower or building. Even with that, the mobile unit needs to raise the
> antenna high for a mobile setup to reach the tower.

I think readily available Ham equipment can be used in a similar manner to the microwave equipment under discussion. Although there are microwave-capable Ham bands, equipment for them is probably not as easy to acquire as equipment for the 400 or 144 MHz bands.

Antennas for 400 MHz are small enough you can use a beam that compares in size, or is smaller than a microwave dish. You may not even need a beam if your antenna is high enough, and the 144 MHz band may work with an omni-directional antenna. Several transportable systems could be set up in the field as point-to-point links with a centrally located EOC. For packet data, the EOC station can act as a digipeater for communications between locations in the field.

Some Hams have worked with their local EOC, and have been able to get grants for equipment including something like a radio-equipped RV. Such an RV or truck can have a crank-up tower or mast, that can be set up quickly at an emergency site. One example I'm aware of is here in Brevard County, Florida. <http://www.bearsfl.us>

Fred
K4DII

3. Amateur Radio Newsline(tm) Report 1847 - January 4 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-04 10:00:13 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130104100002.D63A133C99@panix2.panix.com>
Source record: 113
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1847 - January 4 2013

Amateur Radio Newsline report number 1847 with a release date of
January 4 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. The FCC begins work to create a new Citizens
Broadband Service; the ARRL asks the FCC to create a new low frequency
band from 472 to 479 kHz as Ireland gives that same spectrum to its ham
radio community; the 2013 International DX convention finds a new home
at the Visalia California Convention Center and the transistor reaches
age 65. Find out the details as we ring in the New Year with Amateur
Radio Newsline(tm) report number 1847 coming your way right now.

(Billboard Cart Here)

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RESTRUCTURING: FCC PROPOSES 3.5 GHZ CITIZENS BROADBAND SERVICE

First there was the old Class A and Class B Citizens radio of the
1940's. Then came 11 Meter Class D Citizens Radio Service in 1958.
Next was the Family Radio Service authorized in the United States since
1996. That was followed in 2000 by MURS or the Multi Use Radio
Service. Now in 2013, the FCC is proposing to create a new Citizens
Broadband Service and it's like nothing else the regulatory agency has
ever attempted before. Amateur Radio Newsline's Norm Seeley, KI7UP,
has the details:

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Just before years end on Wednesday December 26th the FCC announced a
proposal to make available 100 MHz of shared spectrum in the 3.5 GHz
band using small cell and database technologies. The FCC calls the new
service in the 3550 to 3650 MHz band the "Citizens Broadband Service"
or C-B-S and proposes three tiers of service. These will be known as
Incumbent Access; Priority Access and General Authorized Access.

Incumbent Access would consist solely of authorized federal and
grandfathered licensed Fixed Satellite Service 3.5 GHz band users. They
would be protected from the other tiers by regulation and technical
means. This would include the use of exclusion zones where other C-B-S
uses would not be permitted.

Priority Access level would be given to small cell use by certain
critical quality-of-service dependent users at specific target
locations. This might include hospitals, utilities, state and local

governments. It might also include users with a distinct need for reliable, prioritized access to broadband spectrum at specific, localized facilities.

Lastly, the General Authorized Access or G-A-A level would allow opportunistic use of the spectrum for a variety of residential, business and enterprise purposes. These users would have to protect Level 1 Incumbent Access and Level 2 Priority Access users through technologies including geolocation. Also as the lowest level users they would not have any expectation of protection from harmful interference to this user base.

The Notice of Proposed Rulemaking is known as FCC 12-148. It also seeks comment on including spectrum at 3650 to 3700 MHz, immediately adjacent to C-band downlink spectrum. If the FCC does include the 3650 to 3700 MHz band in the proposed new service, wireless Internet service providers using this band for links would have to be licensed under the tier 3 General Authorized Access rules.

The NPRM proposes a "Spectrum Access System" which would govern interactions between all devices in the 3.5 GHz band. It would be modeled after the TV White Space database concept and all devices would be limited to 1 watt Effective Radiated Power as compared to an Isotropic radiator.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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If the proposed services name of the Citizens Broadband Service has a 1960's or 1970's ring to it, its not by mere coincidence. The FCC is proposing to license users under Section 95 of the Personal Radio Service rules. That's the same section that includes 11 meter Citizen's Band radio. (FCC, RW)

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RESTRUCTURING: ARRL FILES FOR 472 - 479 KHZ US BAND

The ARRL has filed a Petition for Rule Making requesting the establishment of a domestic amateur radio allocation at 472 to 479 kHz. The League's request calls for a power limit of 5 watts effective isotropic radiated power, with only 1 watt to be permitted in certain specific locations.

The ARRL took this action for the FCC to follow up on the actions of the 2012 World Radiocommunication Conference now rather than waiting several years as was the case with WRC-07. As regular listeners know, telecommunications administrations around the world have been fairly quick to make this spectrum available to their nations ham radio communities.

As we go to air the FCC had not responded to the League's petition. (ARRL, CQ, eHam)

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RESTRUCTURING: IRISH RADIO AMATEURS GET NEW 472-479 KHZ ALLOCATIONS

Some good news for hams in Ireland. This with word that the Irish Radio Transmitters Society have been informed by telecommunications regulator ComReg that the band segment 472 to 479 kHz becomes available to all licensed radio amateurs in Ireland. This, on a secondary basis, with effect from 1 January 2013. The maximum power is 5 watts and available for use with CW, QRSS, and narrow band digital modes.

There are some restrictions that ComReg has put in place. As ham radio is a secondary user of this spectrum ComReg says that stations in the Amateur service shall not cause harmful interference to, or claim protection from, stations of the aeronautical radionavigation service or stations of the maritime service. Also that the amateur service shall ensure that no harmful interference is caused to the frequency 490 kHz which is used exclusively for the transmission by coast stations of navigational and meteorological and urgent information to ships.

Also, a Test License held from ComReg by the Irish Radio Transmitters Society under which a number of licensed amateurs were given permission to operate in the band segment 501 to 504 kHz expired on January 2nd. As such, amateurs in Ireland who had received special permission to use that spectrum were required to cease operation on 501 to 504 kHz on that same date. (IRTS)

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RESTRUCTURING: ICASA TABLES DRAFT NATIONAL RADIO FREQUENCY PLAN

South Africa's telecommunications regulator I-C-A-S-A has made public a draft of the proposed new National Radio Frequency Plan for comment by February 8th. One positive aspect is that a new band from 472 to 479 KHz for amateur radio is shown as secondary allocation which makes the way for allotment as soon as the plan has been adopted.

Meantime the South African Radio League has proposed to the regulator to have the 160 meter band extended as this is not provided for in the draft plan. There is however a footnote that pays the way for further discussion. Foot note 5.096 list a number of countries where administrations may allocate 1 810 to 2 000 KHz to the amateur service after consultation with neighboring countries. The South African Radio League says that it will continue pursuing the possibilities of having that band extended.

The South African National Radio Frequency Plan is the base document for allocation of spectrum to various services in that nation. (SARL)

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COMMUNICATIONS LAW: SPACE EXPORT CONTROL REFORM PASSES HOUSE AND SENATE

Good news for United States hams and others involved in the development of experimental satellites. Legislation reforming space related export control has passed the House and the Senate and is expected to be signed by the President.

The measure is included in the National Defense Authorization Act for Fiscal Year 2013 under Section 1261. This area of the proposed law is titled The Removal of Satellites and Related Items from the United States Munitions List or USML.

The legislation does contain some restrictions. Key among these is a continued prohibitions of data and parts export that are specific to China, North Korea, and any country that is a state sponsor of what the United States considers to be terrorism.

The passage of this legislation is significant and brings with it the promise that United States universities and other satellite experimenter groups including ham radio will be better able to interact in the design and construction of flight hardware. It also suggests that these groups may be better supported in their mission to prepare the workforce needed to design and deploy the space systems of the future. This in turn should enable the United States to remain a leader in space.

You can read more about this change in United States satellite export law on line at tinyurl.com/Space-Export-Reform. (ANS, SpaceMarket)

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BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the WM7K repeater serving Grants Pass, Oregon.

(5 sec pause here)

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ENFORCEMENT: SALE OF NON CERTIFIED DEVICES BRINGS $14000 FINE

The FCC has affirmed a $14,000 Forfeiture Order to LawMate Technology Co., Ltd. This for its alleged marketing of unauthorized radio frequency devices for more than two years. Amateur Radio Newsline's Don Wilbanks, AE5DW, has the details:

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ENFORCEMENT: SALE OF NON CERTIFIED DEVICES BRINGS $14000 FINE

The FCC has affirmed a $14,000 Forfeiture Order to LawMate Technology Co., Ltd. This for its alleged marketing of unauthorized radio frequency devices for more than two years.

On July 15, 2009, the Enforcement Bureau's Spectrum Enforcement Division released the $14,000 Notice of Apparent Liability for Forfeiture after it found that that LawMate manufactured and marketed two models of wireless video transmitters in the United States before obtaining FCC certifications for the models. The finding was based on LawMate's own admission in response to a letter of inquiry.

LawMate responded on November 14, 2009. At that time LawMate declared that that it was willing to pay a penalty for its violations but requested cancellation or reduction of the proposed forfeiture amount based on certain remedial efforts that LawMate stated it intended to implement. It also claimed financial hardship, and asserted that it had a past history of compliance with the FCC rules.

Now in affirming the NAL, the FCC says that it carefully considered LawMate's and find no basis for reduction or cancellation of the proposed forfeiture. It noted that LawMate's contention that it planned to undertake certain remedial measures to ensure future compliance with the rules was not a valid reason for a downward reduction of the fine. It also noted that LawMate claim that payment of the forfeiture would place undue stress on the company's financial situation was not accompanied by the proper documentation. It noted that any claim of inability to pay must specifically identify the basis for the claim by reference to the financial documentation submitted to the agency.

I'm Don Wilbanks, AE5DW.

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LawMate was given the customary 30 day time period from the affirmation date of the fine to pay it or to file a further appeal. (FCC)

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ENFORCEMENT: UNLICENSED RADIO STATION IN FLORIDA LOCKS PEOPLE OUT OF THEIR CARS

What appears to have been a relatively high power out of band spurious signal from an unlicensed broadcast transmitter is being blamed for locking hundreds of people out of their cars in Hollywood, Florida. This according to a statement from the city's police department who called it a mystery no one could solve until now.

For months residents were complaining that they could not use their keyless entry systems to unlock or start their cars whenever they parked near the Hollywood Police Department. Once the cars were towed to the dealers, the problem disappeared.

After months of searching, the wayward signal causing the problem was T-Hunted to the roof of the near-by Regent Bank Building. An undercover detective and FCC agent found the equipment on December 6th concealed under an air conditioning chiller.

Four days after they removed the equipment, a man identifying himself only as "Jay" left a message for a maintenance worker at the bank building. Police say that when the worker returned the call, "Jay" asked if he'd taken his equipment. The worker answered no, but told him that the cops had.

Hollywood Florida detectives are still searching for the man who set up the bootleg station on the roof of the bank building. When it was shut down and seized it was operating around the clock on 104.7 FM broadcasting Caribbean music. If found, the man could be arrested on state felony charges and also face a minimum fine of at least $10,000 from the Federal Communications Commission. Cars made by Ford, Lexus, Toyota, BMW and Mercedes reportedly were affected. (Radio Ink, RW, others)

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RADIO EMPLOYMENT: SURVEY SAYS BBG WORST PLACE TO IN GOVERNMENT TO WORK

It's not exactly a list you'd want to be at the top of. This as the Broadcasting Board of Governors finds itself as the number one worst place to work in the federal government among mid-sized agencies. This according to survey results recently published by the Washington Post.

They were followed by the National Archives and Records Administration, the Department of Housing and Urban Development, Securities and Exchange Commission and Department of Education.

Best mid-sized agencies to work at included the Federal Deposit Insurance Corporation, Government Accountability Office, Nuclear Regulatory Commission, the Smithsonian Institution and the Federal Trade Commission. (RW, Washington Post)

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HAM HAPPENINGS: ILLW 2013 ATTRACTS MORE THAN 110 ENTRIES SO FAR

Jim Linton, VK3PC, reports that the leading countries pre-registered for the next International Lighthouse and Lightship Weekend are Germany with, Australia with 27, followed by the USA and England. In fact a total of 110 pre-registrations have been received from 26 countries even though the next International Lighthouse and Lightship Weekend does not take place until the August the 17th and 18th. More about this fun event is on-line at www.illw.net (VK3PC)

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HAM HAPPENINGS: BATAAN MEMORIAL DEATH MARCH MARATHON EVENT

The Mesilla Valley Radio Club of Las Cruces, New Mexico will be operating Special Events Station K5B on March 17th. This, in conjunction with the 24th annual Bataan Memorial Death March Marathon to be held at the nearby White Sands Missile Range.

K5B will operate from 1000 to 2300 UTC on or near 21.337, 14.330, 7.225, and 3.893 megahertz. A commemorative QSL card will be available by request. Please QSL with a self-addressed stamped business sized envelope to K5B in care of the Mesilla Valley Radio Club, P. O. Box 1443, Las Cruces, New Mexico, 88004.

More information about the K5B operation is at www.n5bl.org/batan. Information regarding the marathon event is available at www.bataanmarch.com. (WB4AEJ)

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HAM HAPPENINGS: TARCFEST IN GEORGIA MARCH 30

On the social scene, the third Annual Thomasville Amateur Radio Club Hamfest and Tailgate, will take place in Thomasville, Georgia, on March 30th. This is a one day event, starting at 7:30 AM and lasting until around 4:00 PM Central U-S time. Admission is free, Tailgating is free, and there is only a minimal charge for indoor vendor tables. For more information take your web browser to tarchamfest.blogspot.com or follow this event on Facebook or Twitter as TARCHamfest. (KJ4ZNK)

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HAM HAPPENINGS: 2013 INTERNATIONAL DX CONVENTION MOVES TO VISALIA CONVENTION CENTER

Registration is now open for the 2013 International DX Convention to be held this year at the Visalia Convention Center in down-town Visalia, California.

According to planners the move to the Convention Center gives the show 17 meeting rooms and 2 Board Rooms, which will allow them to put together several concurrent presentations. Also the exhibit hall can easily handle up to 100 vendors and there will be banquet facilities for up to 900 attendees.

2013 marks the 64th year of this event that which will be held April 19th to the 21st. For more details please visit www.dxconvention.org or www.dxconvention.com on the World Wide Web. (Intl DX Convention)

**

NAMES IN THE NEWS: NEW SECTION MANAGER APPOINTED IN NEW YORK CITY -LONG ISLAND

Some names in the news. Effective January 1st Jim Mezey, W2KFV, of Carle Place, New York, became the new ARRL New York City-Long Island Section Manager. ARRL Membership and Volunteer Programs Manager Dave Patton, NN1N, appointed Mezey after consulting with current Section Manager Mike Lisenco, N2YBB. Lisenco, who stepped down as Section Manager after being elected as ARRL Hudson Division Director. (ARRL)

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NAMES IN THE NEWS: CLYBURN RE-NOMINATION TO FCC APPROVED BY SENATE

The United States Senate has approved the re-nomination of FCC commissioner Mignon Clyburn. This time for a full five-year term retroactive to July 1, 2012, when her current term expired.

Clyburn had been serving out the term of Commissioner Jonathan Adelstein, who exited to join the Department of Agriculture. Her re-nomination had been held up after the death of Commerce Committee member Daniel Inouye forced the committee to postpone a vote. Had the nomination not been voted before the seating of a new Congress, Clyburn would have had to have a new hearing in the Commerce Committee when that new Congress convened. (Published news reports)

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NAMES IN THE NEWS: BILL PASTERNAK, WA6ITF, HONORED BY CEDARS SINAI ALUMNI ASSOCIATION

Newsline producer Bill Pasternak, WA6ITF, was recently honored with a Certificate of Appreciation for his volunteer work to the Cedars Sinai Medical Center Alumni Association.

No, Bill never worked at the medical facility. However since his retirement from Fox Television in 2009 he has been the volunteer Videographer for the monthly social gatherings of the group.

The award was presented to Bill the evening of December 17th during a break in the evenings program while he was video recording a presentation by famed Hollywood Producer Director Paul Mazursky. Mazursky was the featured speaker talking about the production of his 1984 film Moscow on the Hudson that starred Robin Williams. (ARNewsline)

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NAMES IN THE NEWS: N8TMW TO GUEST ON THE DODROPIN ECHOLINK NET ON JANUARY 12

And on Jan 12th at 2100 hours Eastern Standard Time, Amateur Radio Newsline's Jim Damron, N8TMW, will be the guest on the Amateur Radio Newsline Net held on the DoDropIn Echolink conference server. You are invited to drop in and catch Jim talking about his career in broadcasting, his stage career as well as his amateur radio involvement. Again that's the Amateur Radio Newsline Net on Saturday January 12th at 2100 hours Eastern Standard Time to meet Jim Damron, N8TMW. You will find it on the DoDropIn Echolink conference server node number 355800. I hope to see you there. (W8WFO)

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BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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EMERGING TECHNOLOGY: ANOTHER NEW SOURCE OF LIGHT ANNOUNCED

A new and more efficient way to light your way is on the horizon. Amateur Radio Newsline's Skeeter Nash, N5ASH, reports:

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Scientists at the Wake Forest University have created a new type of light bulb that promises to be just as efficient as LED equivalents, but without any of the drawbacks.

The new field-induced polymer electroluminescent bulbs or FIPEL for short, produce light when an electric current is passed through its nano-engineered plastic layers. The team says that the new type of bulbs are malleable, allowing them to take any shape like compact fluorescent lamps. They also won't shatter like traditional bulbs, nor will they generate the same hum or flicker.

The inventor of FIPEL is Dr. David Carroll. He believes that his new solution is superior to LED bulbs because there is a limit to how much brightness you can get out of them. If you run too much current through an LED they can short out and melt. Not only that, the light generated by FIPEL bulbs is closer to natural sunlight, unlike the bluish tint generated by LEDs.

Any worries about longevity are also put to rest by Dr. Carroll. He claims to have had a field-induced polymer electroluminescent prototype lamp working in his laboratory for almost a decade.

For the Amateur Radio Newsline, I'm Skeeter Nash, N5ASH.

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As for when the technology will make the jump to a commercial product? The research team says that a corporate partner is interested in producing the new bulbs at scale, with the first run expected in 2013. (CGC, earthsignals.com, TheVerge.com)

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WORLDBEAT: ADELAIDE AUSTRALIA SAYS YES TO PUBLIC WI-FI

The first Australian city with free Wi-Fi outdoors will be Adelaide. The South Australian Government and Adelaide City Council will foot $1.5 million bill to provide it at all public areas, by the end of 2013. Already a trial of free Wi-Fi is on all Adelaide Metro trams and 20 buses. Similar public Wi-Fi initiatives are in progress in Singapore, Prague, Wellington, Auckland, and Luxembourg. (VK3PC)

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WORLDBEAT: NEW CANADIAN IRLP/ECHOLINK WEATHER NET

The Weather Radio Listeners Newsletter Net hosted by Gordon Maybee, VA3WXA out of Toronto, Canada, takes place every Saturday evening at 8 PM Atlantic, 7 PM Eastern time on IRLP Reflector 9034 and Echolink node 223557. The net carries information about Weather Radio and the CANWARN service. It also includes weather warnings and notices of any power outages across Canada.

The sponsors say that they are trying to make this a Cross Canada Net to include all provinces and territories. They are also looking for station from Quebec to participate.

For more information about the net, go to The Maritime Amateur website www.maritimeamateur.ca and click on CANWARN. Once there, click on CANWARN news where you will find articles on this net. (VE1JBL)

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RADIO IN SPACE: NEW LAUNCH VEHICLE TO CARRY CUBESAT SWARM IN 2013

Turning to space related news, 2013 should see the first flight of a new satellite launch vehicle. Super Strypi, also known as Space-borne Payload Assist Rocket - Kauai was developed by Sandia National Laboratories in New Mexico, the University of Hawaii and Aerojet Corporation. It based on an enlarged version of Sandia's Strypi sounding rocket.

The Super Strypi vehicle will be launched from a rail-launcher at Barking Sands, Kauai at the Pacific Missile Range Facility towards the end of 2013. Super Strypi will be carrying a swarm of CubeSats called the Edison Demonstration of Smallsat Networks. The CubeSats are an unusual size of 10 by 10 by 15 cm and weigh 2 kg. The Edison swarm will demonstrate distributed, multipoint space weather measurement and are expected to operate for at least 60 days and have an on-orbit life-time of up to 4 years.

More is on the web at tinyurl.com/new-sat-launcher. (Space Times)

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ON THE AIR: AUSTRIAN HAMS CELEBRATES ALPINE SKI WORLD CHAMPIONSHIP

Hams in Austria will have the chance to operate with the special callsign O-E-2013 followed by their assigned suffix between January 15th and February 18th. This is to celebrate the 2013 Alpine Ski World Championships taking place in that nation. An award is available for three different levels which are Gold, Platinum and Diamond. Each level requires that a certain number of special event stations and O E stations to be contacted and logged. More is on-line at tinyurl.com/austrian-2013-event (OPDX)

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WORLDBEAT: N2ZN IS NEW NEW QSL MANAGER FOR W2JO

According to the Ohio Penn DX Newsletter, Ken Boasi, N2ZN, says that he is now the QSL Manager for David Farnsworth, WJ2O. Farnsworth has made over 30 DXpeditions over the last 20 years and N2ZN says that he can confirm QSO's made with any or all of them.

Farnsworth's most recent trip was for the 2012 CQ World Wide CW contest where he operated from Barbados under the callsign 8P9DF. Dave's earlier DX operations and many logs can be found at wj2o.com.

N2ZN adds that QSL's for W2JO should now be sent to him either direct of via the bureau. He adds that his address is good on both QRZ.com and in the FCC database. (OPDX)

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DX

In DX, members of the Radio Cub Peruano announced the activation of special event station 4T4RDP during the 2013 edition of the Rally Dakar. They will be active using SSB, CW, RTTY and the Digital Modes on 80 through 6 meters between January 4th and the 13th. QSL via OA4O.

SM0MDG will travel to Montserrat and be active as VP2MSW through January 8th. Operation will be holiday style with a focus on 17 and 15 meters with possible operations on 10 meters if propagation allows. This is an ultra-lite operation using a FT-857D and simple wire antennas. Look for the log to be uploaded to Logbook of the World W after his return home. QSL via his manager M0URX, either direct or using OQRS

DJ9KH will be on the air as A31WH from Vava'u Island between February 20th and March 3rd. All activity will be on the High Frequency bands. QSL via his home callsign, either direct or by the bureau.

W6HGF will be on the air stroke J8 from St. Vincent between January 9th and the 24th. His operation will be focused on RTTY using dipoles and a traveling beam. QSL direct to his home callsign or electronically via Logbook of the World or ClubLog.

DJ9KH will be active from Tongatapu Island as A31WH and from Vavau Island as A31WH/P February 20th through March 3rd. Operations will be on the High Frequency bands only. QSL via his home call.

Lastly DF3ZS and DL1QW will be active stroke 5Z4 from Diani Beach, Kenya, between January 7th and the 20th. Their operation will be holiday style on 80 through 10 meters using CW, SSB and RTTY. QSL via their home callsign, direct or via the DARC Bureau.

(Above from various DX news sources)

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THAT FINAL ITEM: A BELATED HAPPY 65 TO THE TRANSISTOR

And finally this week, a belated happy birthday to an electronic device whose invention revolutionized telecommunications and made possible the

technology that we have today. Of coarse we are talking about the transistor as we hear from Amateur Radio Newslines Bruce Tennant, K6PZW:

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On December 16, 1947, Bell Labs researchers William Shockley, John Bardeen and Walter Brattain created an amplifier from a germanium crystal that boosted the level of an input signal by 100 times. Various researchers had tried to develop a solid-state alternative to the vacuum tubes during World War II but none had succeeded. The Bell Labs Trio demonstrated it for lab officials a week later on December 23 where Shockley deemed it a magnificent Christmas present.

Bell Labs announced the invention of the transistor six months later. The device went on to become one of the signature scientific achievements of the 20th century, ranking up with splitting the atom, manned flight, and the discovery of DNA. One could argue, in fact, that the transistor was the most important breakthrough of the 20th century because subsequent advances in those other fields relied on the computing power made possible through integrated circuits and semiconductors. In essence, information has become a science itself.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

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As a result of their achievement Electronics Magazine put a photo the three men on its cover. The three went on to share the Nobel Prize for physics in 1956. John Bardeen became a laureate a second time in 1972 for his work on superconductivity. And very apropos the entire story is on-line at tinyurl.com/transistor-comes-alive (Readwrite, others)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Damron, N8TMW saying welcome to 2013, 73 and we thank you for listening.

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4. FCC Daily Digest 01/04/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-04 16:13:57 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-525429-2013.01.04-10.35.03--rec-radio-info#panix.com@info.fcc.gov>
Source record: 114
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)
Daily Digest

Vol. 32 No. 3 January 04, 2013

[...]

PROMOTING DIVERSIFICATION OF OWNERSHIP IN THE BROADCASTING SERVICES. See
k further comment on the Commission's requirement that licensees and other
entities filing the FCC Form 323, Ownership Report for Commercial Broadcast
Station, provide an FCC Registration Number generated by the Commission's
Registration System. (Dkt No. 07-294). Action by: the Commission. Adopte
d: 12/21/2012 by FNPRM. (FCC No. 12-166). MB http://hraunfoss.fcc.gov/ed
ocs_public/attachmatch/FCC-12-166A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A2.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A3.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A4.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A2.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A3.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A4.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A2.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A3.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-12-166A4.txt

[...]

5. And another SKN gone by

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-07 03:51:50 UTC
From: Foxs Mercantile <jdangus@att.net>
Message-ID: <kcd6gd$ft3$1@speranza.aioe.org>
Source record: 115

Ah the joys of Straight Key Night.
Even more fun when you're as bad as I am at receiving code.
Surprisingly, I had someone compliment me on my fist.

Go figure...

Well, I'll have another go at it again in 11 months.

Jeff-1.0
wa6fwi

6. FCC Daily Digest 01/09/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-09 18:01:14 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-525528-2013.01.09-12.24.30--rec-radio-info#panix.com@info.fcc.gov>
Source record: 116
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 6 January 09, 2013

[...]

AMENDMENT OF THE COMMISSION'S RULES CONCERNING COMMERCIAL RADIO OPERATORS.
Amended Part 13 of the Commission's Rules Concerning Commercial Radio Op
erators. (Dkt No. 10-177). Action by: the Commission. Adopted: 01/08/20
13 by R&O. (FCC No. 13-4). WTB http://hraunfoss.fcc.gov/edocs_public/atta
chmatch/FCC-13-4A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-4A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-4A1.txt

[...]

7. The ARRL Letter for January 10, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-11 02:54:57 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130110211613.E7B7629C1AD@bmail.arrl.org>
Source record: 117
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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The ARRL Letter

Published by the American Radio Relay League
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January 10, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

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<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + LOGBOOK OF THE WORLD PROCESSING SPEED INCREASES THANKS TO NEW
HARDWARE

The processing queue for Logbook of The World (LoTW
<http://www.arrl.org/logbook-of-the-world>) -- the ARRL's online log
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processing system -- has been shrinking steadily since Monday, January 7, when the system was brought back online after the completion of previously announced maintenance involving the installation of a new database server equipped with solid state drives (SSDs).

==> + FCC NEWS: COMMENT DEADLINE SET IN WRC-07 IMPLEMENTATION PROCEEDING

As previously reported <http://www.arrl.org/news/fcc-seeks-to-assign-entire-amateur-portion-of-160-meter-band-to-primary-status-to-amateur-radio-serv>, the FCC has proposed to amend its rules to implement the allocation decisions of the 2007 World Radiocommunication Conference (WRC-07) and to make certain other changes. Notice appeared in the December 27, 2012 issue of the Federal Register <https://www.federalregister.gov/articles/2012/12/27/2012-31049/wrc-07-implementation>, which started the clock on a 60-day window for the submission of comments. Thus, comments are due no later than February 25, 2013, with reply comments due no later than March 27, 2013.

While most of the 130-page Notice of Proposed Rulemaking and Order <http://transition.fcc.gov/Daily_Releases/Daily_Business/2012/db1119/FCC-12-140A1.pdf> does not directly affect the Amateur and Amateur-Satellite Services, two sections of the document are of particular interest to amateurs.

Specifically, the FCC proposes to upgrade the Amateur Service allocation in the upper half of the 160 meter band (1900-2000 kHz) from secondary to primary, while deleting the existing allocation to the Radiolocation Service. This is possible, because the re-accommodation of radiolocation stations displaced by the expansion of the AM broadcasting band to 1705 kHz has been completed and there are no non-federal radiolocation stations licensed to operate in the 1900-2000 kHz band.

The FCC also seeks comments on whether, and how, an amateur low frequency (LF) allocation might be able to co-exist with Power Line Carrier (PLC) systems that are used by electric utilities to monitor and control the power grid. The Commission notes that while PLC systems do not have the status of an allocation, they carry "communications important to the reliability and security of electric service to the public." WRC-07 created a new secondary allocation to the amateur service at 135.7-137.8 kHz that already has been implemented in a number of other countries.

The ARRL will be preparing comments supporting both of these allocations. Individuals wishing to comment directly to the FCC should carefully read paragraphs 13-24 of the NPRM <http://transition.fcc.gov/Daily_Releases/Daily_Business/2012/db1119/FCC-12-140A1.pdf> and follow the instructions contained in paragraph 175.

==> + FCC NEWS: SENATE APPROVES SECOND TERM FOR FCC COMMISSIONER MIGNON CLYBURN

In June 2012, President Barack Obama nominated Mignon Clyburn to serve a second term as FCC Commissioner <http://www.arrl.org/news/president-obama-announces-nomination-of-mignon-clyburn-for-new-term-as-fcc-commissioner>.
On January 1, 2013, the Senate confirmed her nomination, paving the way to Clyburn's first full term as one of five FCC Commissioners. "I am so pleased that the Senate has approved Commissioner Clyburn's re-nomination to the FCC," said FCC Chairman Julius Genachowski in a written statement <http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db0102/DOC-318203A1.pdf>.
"Commissioner Clyburn is an excellent and dedicated public servant and has been a strong advocate in seeking to extend the benefits of broadband to all Americans. I look forward to continuing to work closely with Commissioner Clyburn and congratulate her on her new term." Clyburn's five-year appointment is retroactive to July 1, 2012, when her first term expired. No date has yet been announced for her swearing-in ceremony.

==> FCC NEWS: FCC ENFORCEMENT ACTIONS FOR OCTOBER-DECEMBER 2012

Here's a summary of FCC enforcement actions during the past quarter (October-December 2012): Repeater-related cases: 1. General infractions (including unauthorized operation): 9. Powerline cases: 0. General infractions are listed below power line cases; be sure to scroll down the page to view them. Click here <http://transition.fcc.gov/eb/AmateurActions/Welcome.html> for details.

==> AMATEUR RADIO IN THE CLASSROOM: ARRL EXECUTIVE COMMITTEE APPROVES RESOURCE GRANTS FOR FIVE SCHOOLS

In December, the ARRL Executive Committee reviewed grant applications for the ARRL's Education & Technology Program (ETP), awarding equipment and resources valued at nearly $7000 to five schools. Two types of grants are awarded: ETP Grants and Progress Grants. ETP Grants for school radio stations are awarded to schools that provide a plan to use Amateur Radio as part of an enrichment program and/or as part of in classroom learning, while Progress Grants offer modest resource support to teachers who are currently using Amateur Radio as an instructional tool in their classrooms and who need additional resources for specific purposes. Read more here <http://www.arrl.org/news/arrl-executive-committee-approves-resource-grants-for-five-schools>.

==> ON THE AIR: ARRL JANUARY VHF CONTEST OFFERS WINTERTIME FUN

The 2013 ARRL January VHF Contest -- scheduled for the weekend of January 19-21 -- is sure to make the dreary winter days come to life with the sound of RF! "Don't let cold weather dissuade you from getting on the air," said ARRL Contest Branch Manager Sean Kutzko, KX9X. "Many

a portable or rover operation has done just fine in January. Even so, the VHF bands can be tough, especially if there's no enhanced propagation; however, we had pleasant sporadic E openings on 6 meters in late December 2012, and last year's January VHF Contest also saw some sporadic E." Read more here <http://www.arrl.org/news/get-in-on-the-winter-fun-with-the-arrl-january-vhf-contest>.

==> ARRL IN ACTION: ARRL IN ACTION: WHAT HAVE WE BEEN UP TO LATELY?

This feature is a concise monthly update of some of the things that the ARRL is doing on behalf of its members. This installment -- which covers the month of December -- takes a look at the ARRL's Petition for Rulemaking that asks the FCC create a domestic Amateur Radio allocation at 472-479 kHz, the new Evolution of Amateur Radio exhibit at League Headquarters, updates from the ARRL Development Office, reports from the Official Observer Desk and more. Read more here <http://www.arrl.org/news/arrl-in-action-what-have-we-been-up-to-lately-53>.

==> DAYTON HAMVENTION®: HAMVENTION AWARDS NOMINATION DEADLINE IS JANUARY 15

There is still time to nominate a radio amateur for the 2013 Dayton Hamvention® Awards: Amateur of the Year, Club of the Year, the Special Achievement Award and the Technical Excellence Award. The deadline for nominations is Tuesday, January 15. Anyone may nominate a person or club for these awards, and all Amateur Radio operators are eligible to receive these awards. The winners will be recognized at the 2013 Dayton Hamvention, which runs May 17-19. Read more here <http://www.arrl.org/news/hamvention-awards-nomination-deadline-is-january-15>.

==> + NEW YORK CITY HAM WINS APPEAL, CAN KEEP HIS TOWER

In September 2010, Paul Isaacs, W2JGQ, of New York City, obtained a building permit for his Amateur Radio antenna support structure, comprised of a 40 foot tower topped by a Yagi antenna. Isaacs installed his antenna system on the roof of his four story brownstone -- 58 feet above ground -- in lower Manhattan.

Almost four months after the erection of the system, the New York City Department of Buildings (DOB) declared its intention to revoke Isaacs' properly attained building permit, claiming that his Amateur Radio antenna system was not, in the Department's opinion, "an accessory use." Isaacs appealed the decision through the Department's bureaucracy, and when that didn't reverse the decision, he had a series of hearings before the New York City Board of Standards and Appeals.

In November 2012, the Board ruled that though perhaps uncommon, an Amateur Radio antenna system is indeed an accessory use under New York City's zoning ordinance and the building permit was properly granted. "The Board agrees with DCP [Department of City Planning] that the size

of a use can be relevant to whether it is 'incidental to' and 'customarily found in connection with' a principal use," the Board wrote in its decision. "However, it finds that in the case of Amateur Radio towers, unlike cellular [towers] and certain other uses, there is no articulated standard to guide DOB in determining at what height a particular radio tower becomes a non-accessory."

The full decision may be found here <http://www.antennazoning.com/main/page_amateur_radio_legal_library.html> under "Application of Paul K. Isaacs." Isaacs was represented by attorneys Fred Hopengarten, K1VR, Stuart Klein and Chris Slowik.

==> NEW BOOK ON HANDHELD TRANSCEIVERS, 2012 PERIODICALS DVD NOW AVAILABLE

Ring in the new year with new publications from the ARRL! Radios to Go! Getting the Most from Your Handheld Transceiver <http://www.arrl.org/shop/Radios-to-Go> by QST Editor Steve Ford, WB8IMY, and the 2012 Periodicals DVD <http://www.arrl.org/shop/ARRL-Periodicals-DVD-2012> are now available and ready for shipping.

If you recently received a handheld transceiver -- or are contemplating purchasing one -- Radios to Go! Getting the Most from Your Handheld Transceiver is a must-have book for your Amateur Radio library. A handheld transceiver, or "HT," is often the first radio that a new ham purchases, paving the way to a lifetime of radio enjoyment. While it won't replace the radio's user's manual, Radios to Go! will open your eyes to many of the "hidden" features that can be found in a handheld transceiver. Veteran amateurs will also find a great deal of new knowledge, including how to communicate via EchoLink or IRLP, or how to use these radios as packet radio data transceivers.

The 2102 ARRL Periodicals DVD is now available and includes the complete, fully searchable collection of three ARRL journals -- QST, QEX, and the National Contest Journal (NCJ). In addition, this DVD includes source code for software projects and PC board patterns, Section News, as well as the ever-popular Contest Soapbox and Contest Results. Search the full text of every article by entering titles, call signs or names. See every word, photo, drawing and table in technical and general-interest features, columns and product reviews, plus all advertisements. Print what you see, or copy it into other applications. System requirements: Microsoft Windows and Macintosh systems, using Adobe Acrobat Reader software.

==> FT-817 SATELLITE INTERFACE NOW AVAILABLE AS A KIT

The satellite computer-aided tuning interface described in the October 2012 issue of QST (pages 40-43) for use with SatPC32 software and the Yaesu FT-817 transceiver is now available for purchase from the ARRL Education & Technology Program (ETP). The interface was created by Mark Spencer, WA8SME, as part of resource development for the ARRL ETP. You

can order the board and the programmed PIC at a cost of $20; the complete kit is priced at $35. Earnings from the sales of these kits will be used to cover development costs, plus a donation to AMSAT. Read more here <http://www.arrl.org/news/ft-817-satellite-interface-available-as-a-kit>.

==> + NEW SECTION MANAGER APPOINTED IN NEW YORK CITY-LONG ISLAND

As of January 1, 2013, Jim Mezey, W2KFV, of Carle Place, New York, is the new ARRL New York City-Long Island Section Manager. ARRL Membership and Volunteer Programs Manager Dave Patton, NN1N, appointed Mezey after consulting with current ARRL New York City-Long Island Section Manager Mike Lisenco, N2YBB. Lisenco stepped down as Section Manager on being elected as ARRL Hudson Division Director. Read more here <http://www.arrl.org/news/new-section-manager-appointed-in-new-york-city-long-island>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: After last week's somewhat downbeat look at sunspot cycles <http://www.arrl.org/news/the-k7ra-solar-update-251>, we have great activity to report this week: The average daily sunspot numbers more than doubled in the past week, rising nearly 93 points to 163.3, while the average daily solar flux was up more than 37 points to 147.7. On top of that, the geomagnetic conditions were very quiet, which is a wonderful combination, and not often seen in more active solar cycles. Currently, the NOAA and USAF predict solar flux values of 175 on January 10-12, 170 on January 13-14, 165, 150 and 125 on January 15-17, 105 on January 18-19, 110 and 120 on January 20-21, 125 on January 22-24, 130 on January 25-28, 135 on January 29, and rising to 140 on January 30-February 1. The predicted planetary A index is 5 on January 10-11, 7 and 8 on January 12-13, 5 on January 14-19, 8 on January 20-21, 5 in January 22-25, 10 on January 26, 5 on January 27-February 2, and rising to 8 on February 3-5. Look for more on the ARRL website on Friday, January 11. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + SILENT KEY: FORMER QST TECHNICAL EDITOR STU COHEN, N1SC (SK)

Former QST Technical Editor Stu Cohen, N1SC, of Colbert, Washington, passed away January 3 after a long battle with cancer. He was 70. An ARRL member, Cohen came to Headquarters in 2002 after an active career in television broadcasting. From 1974-1993, he was the Engineering Supervisor at ABC-TV in Los Angeles. During his tenure there, Cohen was awarded an Emmy&#65533;. After leaving the ARRL in 2005, he continued his relationship with the League, becoming a Technical Advisor. Read more here <http://www.arrl.org/news/former-em-qst-em-technical-editor-stu-cohen-n1sc-sk>.

==> + ARRL RECOGNIZES: JAMES K. BOOMER, W9UJ, WINS DECEMBER QST COVER PLAQUE AWARD

The winner of the December QST Cover Plaque award is James K. Boomer, W9UJ, for his article "Delta Loop Collinear Antennas <http://www.nxtbook.com/nxtbooks/arrl/qst_201212/index.php#/34>." Congratulations James! The QST Cover Plaque Award -- given to the author or authors of the best article in each issue -- is determined by a vote of ARRL members on the QST Cover Plaque Poll web page <http://www.arrl.org/cover-plaque-poll>. Cast a ballot today for your favorite article from the January issue.

==> NEW QUICKSTATS POLL NOW AVAILABLE ON ARRL WEBSITE

Four new poll questions have just been published on the QuickStats page <http://www.arrl.org/quickstats> on the ARRL website. Let your voice be heard!

Questions in this month's QuickStats poll:

- How do you feel about the frequent use of macros during keyboard-to-keyboard digital contacts?
- Did your college have an Amateur Radio club?
- If you were applying for a job, would you mention your Amateur Radio experience on your resume?
- Are you comfortable working around high voltage?

Visit the QuickStats page <http://www.arrl.org/quickstats> and be sure to bookmark it in your browser. Results from this QuickStats poll will be published in the April 2013 issue of QST on the QuickStats page located in the rear advertising section of the magazine. Along with monthly poll results, QST QuickStats offers colorful charts and graphs that highlight interesting Amateur Radio statistics.

==> THIS WEEK IN RADIOSPORT

This week:

- January 11 -- NCCC Sprint Ladder
- January 12-13 -- North American QSO Party (CW); WW PMC Contest; UK DX Contest (RTTY); Michigan QRP January CW Contest
- January 13 -- SKCC Weekend Sprintathon; NRAU-Baltic Contest; DARC 10 Meter Contest; Midwinter Contest
- January 14 -- NAQCC-EU Monthly Sprint
- January 16-17 -- AWA Linc Cundall Memorial CW Contest
- January 17 -- NAQCC Straight Key/Bug Sprint

Next week:

- January 18 -- NCCC Sprint Ladder
- January 19 -- Feld Hell Sprint; LZ Open Contest
- January 19-20 -- North American QSO Party (SSB); Hungarian DX Contest; YL-ISSB QSO Party (SSB); AWA Linc Cundall Memorial CW Contest
- January 19-21 -- ARRL January VHF Contest <http://www.arrl.org/news/get-in-on-the-winter-fun-with-the-arrl-january-vhf-

contest>
- January 21 -- Run for the Bacon QRP Contest
- January 23 -- SKCC Sprint
- January 23-24 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- January 18-19 -- ARRL North Texas Section Convention <http://www.arrl.org/hamfests/north-texas-section-convention-cowtown-hamfest-1>,
Fort Worth, Texas
- January 19 -- ARRL Southern Florida Section Convention <http://www.arrl.org/hamfests/southern-florida-section-convention-3>,
Fort Myers, Florida
- January 25-26 -- ARRL Mississippi State Convention <http://www.arrl.org/hamfests/mississippi-state-convention-capital-city-hamfest>,
Jackson, Mississippi
- January 26-27 -- ARRL Puerto Rico State Convention <http://www.arrl.org/hamfests/puerto-rico-state-convention>, Hatillo,
Puerto Rico
- February 2 -- ARRL South Carolina State Convention <http://www.arrl.org/hamfests/south-carolina-state-convention-2>, North Charleston, South Carolina; ARRL Virginia State Convention <http://www.arrl.org/hamfests/virginia-state-convention-frostfest-1>,
Richmond, Virginia
- February 8-10 -- ARRL Southeastern Division Convention <http://www.arrl.org/hamfests/southeastern-division-convention-orlando-hamcation-1>,
Orlando, Florida
- February 15-16 -- ARRL Arizona State Convention <http://www.arrl.org/hamfests/arizona-state-convention-yuma-hamfest-1>,
Yuma, Arizona
- February 16 -- ARRL Arkansas State Convention <http://www.arrl.org/hamfests/arkansas-state-convention-winterfest>,
Hoxie, Arkansas
- February 23 -- ARRL Vermont State Convention <http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>,
South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention <http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfest-1>,
Claremore, Oklahoma; ARRL Louisiana Section Convention

<http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annu
al-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention
<http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,
Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-pa
trick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-
hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Parties.

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<http://www.arrl.org/qex>. Published bi-monthly, features technical
articles, construction projects, columns and other items of interest to
radio amateurs and communications professionals.

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s>
to the ARES E-Letter (monthly public service and emergency
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newsletter), Division and Section news alerts -- and much more!

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<http://www.arrl.org/>

8. Amateur Radio Newsline(tm) Report 1848 - January 11 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-11 10:00:17 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130111100003.292C133C53@panix2.panix.com>
Source record: 118
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1848 - January 11 2013

Amateur Radio Newsline report number 1848 with a release date of
January 11 2013 to follow in 5-4-3-2-1.

The following is a QST. Hams down-under respond to wildfires in
Tasmania; the comment deadline set in WRC 07 implementation proceeding;
UK telecommunications regulator OFCOM thanks RSGB for help with 2012
Olympics and Campbell Island to be activated in November. Find out the
details are on Amateur Radio Newsline(tm) report number 1848 coming
your way right now.

(Billboard Cart Here)

**

RESCUE RADIO: WICEN RESPONDS TO WILDFIRES IN TASMANIA

Major brush fires in south-east Tasmania, which began on Friday,
January 4th continue to burn relentlessly fanned by hot and windy
weather. Amateur Radio Newsline's Jim Meachen, ZL2BHF, is in Nelson,
New Zealand, with the latest:

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WICEN Tasmania South Secretary, Roger Nichols VK7ARN reports that
operators were sent to the Incident Management Team headquarters
coordinating the firefighting efforts on the Tasman Peninsula and in
the Derwent Valley. There they helped to run the Tasmanian Fire
Service Communications using its 80MHz system. This says Nichols is a
communications role in which they are trained.

Nichols said there had been power and communications outages caused by
the fires. Crews are working in safe areas to restore power and
communications and that WICEN had offered to link the Eaglehawk Neck
and Port Arthur areas.

A search for possible victims has already involved 250 properties. More
than 100 of them, including houses and a school, have been destroyed.

Access to the wild fire affected areas continues to be restricted, as
more hot and windy days are forecast with the major fires out of
control. Victoria State firefighters are now in Tasmania to help with
the fires.

For the Amateur Radio Newsline, I'm Jim Meachen, ZL2BHF, reporting.

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For those not familiar with WICEN, it can best be described as Australia's version of the United States RACES but with some major differences. Chief among these is that WICEN operates as an autonomous body under the relevant disaster plan in each Australian state or territory. (VK3PC)

**

RADIO LAW: COMMENT DEADLINE SET IN WRC-07 IMPLEMENTATION PROCEEDING

The ARRL reports that a commentary deadline of February 25th and a reply comment deadline of March 27th have been announced for rule making dealing with ET Docket No. 12-338. This measure deals with implementation decisions of the 2007 World Radiocommunication Conference and to make certain other changes.

While most of the 130 page Notice of Proposed Rulemaking and Order does not directly affect the Amateur and Amateur-Satellite Services, two sections of the document are of particular interest to the ham radio community. Specifically, the FCC proposes to upgrade the Amateur Service allocation in the upper half of the 160 meter band at 1900 to 2000 kHz from secondary to primary, while deleting the existing allocation to the Radiolocation Service. This is possible, because the re-accommodation of radiolocation stations displaced by the expansion of the AM broadcasting band to 1705 kHz has been completed and there are no non-federal radiolocation stations licensed to operate in the 1900 to 2000 kHz band.

The FCC is also seeking comments on whether, and how, an amateur Low Frequency allocation might be able to co-exist with Power Line Carrier systems that are used by electric utilities to monitor and control the power grid. The Commission notes that while Powerline Communication Systems do not have the status of an allocation, they do carry communications important to the reliability and security of electric service to the public. WRC-07 created a new secondary allocation to the amateur service at 135.7 to 137.8 kHz that already has been implemented in a number of other countries.

The complete text of the Notice of Proposed Rule Making can be found in PDF format at tinyurl.com/wrc-07-fcc (ARRL, FCC)

**

WORLDBEAT: CENTENARY STATION GB100RSGB NOW ON THE AIR

A 12 month celebration of the founding of the Radio Society of Great Britain is now underway. Jeramy Boot, G4NJH, reports from Nottingham in the U-K:

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Radio Society of Great Britain Centenary station G100RSGB is now on the air. RSGB President Dave Wilson, M0OBW, opened the year long operation

of the RSGB Centenary station, GB100RSGB, on January 1st as it was being hosted by the Widnes & Runcorn ARC.

Although intentionally a celebration for all to enjoy, there is an associated RSGB Centenary Award. The rules for this have been amended this week to allow contacts with the station to count for points on a Region/Band basis.

I'm Jeramy Boot, G4NJH, and you are listening to the Amateur Radio Newsline.

--

Please check www.rsgb.org/centenary for further information. (GB2RS)

**

WORLDBEAT: OFCOM THANKS RSGB FOR OLYMPIC HELP

The Radio Society of Great Britain has received a thank-you letter from U-K telecommunications regulator Ofcom. This in appreciation for the national societies assistance in the area of communications during the London 2012 Olympic Games.

In the note, Ofcom's Peter Bury says that the games have come to an end he wanted to express his warm thanks and appreciation for the contribution that the RSGB made to the outstanding success of wireless communications during the event.

According to Bury, one of the critical challenges for Britain was to find enough people with the right skills in radio engineering and interference management to support the needs of the Games. He says that Ofcom could not have found enough people from its own resources and we therefore sought help from you and other agencies to help us find expert staff.

Bury continues his letter by stating that the support of the RSGB for this initiative introduced Ofcom to people who were very well motivated and with a high level of technical skill and expertise. He noted that Ofcom could not have provided such good service to its customers without the RSGB's help.

Bury concludes by stating that he thinks the exchange of knowledge between Ofcom and radio amateurs will be an enduring legacy of the 2012 Olympic Games and that he sees this as a model for further fruitful cooperation between the two organizations. (RSGB)

**

HAM RADIO IN SPACE: PHONESAT LAUNCH NOW RESCHEDULED FOR FEBRUARY

The PhoneSat cubesat, originally planned for a December 2012 launch, now looks like it will fly aboard a new commercial rocket from Orbital Sciences Corporation in February. Amateur Radio Newsline's Norm Seeley, KI7UP, reports:

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The PhoneSat series of micro sat flights is a technology demonstration mission ultimately consisting of three 1 Unit CubeSats to be placed on-orbit in succession. The flights are intended to prove that a smartphone can be used to perform many of the functions required of a spacecraft bus.

The first satellite is built around the Nexus smartphone which will be running the Android operating system and will be enclosed in a standard 1 Unit cubesat structure. The main function of the phone is to act as the Onboard Computer, but the mission will also utilize the phone's Secure Digital card for data storage.

The bird will also have a 5 Megapixil camera for Earth Observation, and 3-axis accelerometer and 3-axis magnetometer for attitude determination.

Ham radio wise, PhoneSat 1 carries an amateur radio payload that will downlink on 437.425 MHz. It must be noted that this overall design was chosen as one of the winners in the Aerospace category of Popular Science magazine "Best of What's New in 2012" awards. Its also quite a lot of flight hardware for such a tiny bird.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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Also planned for this launch is the commercial DOVE-1 satellite for a technology demonstration nano satellite based on the triple CubeSat form factor. Dove-1 plans to transmit its telemetry and image data to the ground 145.825 MHz in the amateur radio band although this is a commercial mission. (ANS, AMSAT-UK)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the N2KEJ repeater serving Salem, New Jersey.

(5 sec pause here)

**

HAMVENTION 2013: CALL FOR AWARD NOMINATIONS

The Dayton Hamvention is soliciting nominations for its annual awards program. Amateur Radio Newsline's Stephen Kinford, N8WB, has the details:

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There are four Dayton Hamvention award categories that consist of the Radio Amateur of the Year. the Technical Achievement Award, the Special Achievement Award, and the Radio Club of the Year.

By way of background, the Amateur of the Year is for the special person who has made a long term commitment to the advancement of amateur radio.

The Technical Excellence Award is presented to a radio amateur that has made an outstanding technical advancement in the field of amateur radio.

The Special Achievement Award goes to a ham radio operator who has made an outstanding contribution to amateur radio primarily by spearheading a single significant project.

Last but by no means lest, the Club of the Year recognizes an organizations on several levels. These might be a contribution of mitigating the effects of disaster situations, support of public service events, amateur radio education, recruitment, youth programs, years of service and media coverage.

The cutoff date to submit nominations is February 15th. For the Amateur Radio Newsline, I'm Stephen Kinford, N8WB, in Wadsworth, Ohio.

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More information and official nominating forms are now on-line at www.Hamvention.org/awards.PHP. (Dayton Hamvention)

**

HAM HAPPENINGS: DAYTON DX DINNER - MAY 17

And still with Hamvention news, the SouthWest Ohio DX Association has announced that it will again sponsor the DX Dinner to be held in conjunction with the Hamvention 2013.

The date for this gathering is Friday, May 17th at the Dayton Marriott Hotel. This will be the 28th annual DX dinner and planners say that it is an excellent opportunity to make new friends, renew old acquaintances, as well as learn about past DXpeditions and those in the planning stages. More information is on the Web at www.swodxaevents.org. (AJ8B)

**

HAM HAPPENINGS: YOUTH IN AMATEUR RADIO EPISODE 5 READY FOR DOWNLOAD

Episode 5 of the Youth in Amateur Radio Podcast titled The Amateur Radio Bands, is now ready for download. Joe Andrews, KD0LOS, one of the Podcast producers has more:

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In this episode we discuss the characteristics of the amateur radio bands and highlight a high school in St.Charles, Missouri, that is in the process of rebuilding a radio club for its students.

To listen to this episode, visit yarphams.com or look up the Youth in Amateur Radio Podcast on i-Tunes.

For the Amateur Radio Newsline, I'm Joe Andrews, KD0LOS, for the Amateur Radio Newsline.

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The Youth in Amateur Radio Podcast service is produced by a dedicated group of young hams to serve the needs of young radio amateurs, world wide. (YARP)

**

HAM HAPPENINGS: AMATEUR RADIO ENTERING ITS SECOND CENTURY OF DISASTER COMMUNICATIONS IS THEME OF WORLD AMATEUR RADIO DAY 2013

The theme for World Amateur Radio Day 2013 is Amateur Radio Entering Its Second Century of Disaster Communications.

Each year on April 18th, radio amateurs around the world celebrate World Amateur Radio Day. In 1913, the first recorded instance of amateur radio being used to provide communications in a natural disaster took place during severe flooding in the Midwest of the United States. This in part led to the formation of the International Amateur Radio Union in 1925.

Now, event planners say that activities surrounding World Amateur Radio Day 2013 can be a great opportunity to spread the word about what amateurs are doing in the field of disaster communications in the 21st Century. More is on-line at www.iaru-r2.org/world-amateur-radio-day-2013. (IARU)

**

NEW POWER SOURCE: FUEL CELL TO POWER MICROSOFT EXPERIMENTAL RESEARCH FACILITY

The Fuel Cell Energy Corporation has announced a project using a stationary fuel-cell power plant to support Microsoft's latest data-center research project. The power plant will use renewable biogas generated by a wastewater-treatment facility as the fuel source to generate ultra- clean and carbon-neutral electricity to power Microsoft's Data-Plant project in Cheyenne, Wyoming. This sub-megawatt power-plant project will enable Microsoft to evaluate the effectiveness of using FuelCell Energy power plants to efficiently power future sustainable data centers.

The sub-megawatt Direct Fuel Cell power plant will be installed at the Dry Creek Water Reclamation Facility in Cheyenne, Wyoming by the spring 2013. The fuel cell plant will provide 200 kilowatts of power for

Microsoft's Data Plant which will be housed in a modular pre-assembled building that will the home of a server farm to recreate a data center environment.

The Direct Fuel Cell power plant will also provide excess power not used by the data center to the water reclamation facility to offset their electric costs. In the event of a grid outage, the Data Plant project and fuel cell plant will be configured to operate independently to provide continuous power. (Fuel Cell Energy Report)

**

RADIO EDUCATION: ANACAPA SCHOOL TO HOLD 3 DAY SPACE RELATED SEMINARS

Students at California's Anacapa School will have several experts on hand for their annual Synthesis Unit which will explore the topic "Space: Where Are We Going?"

This year the school has scheduled an all-star lineup of presenters. These range from astrophysicists and astronomy experts on the cutting edge of modern interstellar research to specialists who will discuss how ancient Central American stargazers. The students will also visit Vandenberg Air Force Base to learn about space launch operations as part of their research. After the three days of presentations, students will be asked to create academic products designed to synthesize the information learned during the week with the goal of charting the nation's future in space.

The annual, three-day event is Anacapa's premier tool for developing critical thinking skills. Each Unit provides students with unique opportunities to explore a topic in depth. Expert speakers make individual presentations with plenty of time for questions and answers. More about this special event is on-line at tinyurl.com/anacapa-space-speakers. (K6LCM)

**

RADIO MARKETPLACE: FORMER HAM RADIO COMPANY DATONG HAS NEW BUSINESS

Former amateur radio manufacturer Datong Electronics has been mentioned in the UK press. This following a recent $12 million dollar order win.

Datong was formed in 1974 by Dr. D. A. Tong, G8ENN. The company initially specialized in the development of Radio Frequency technology for use by amateur radio operators.

In the late 1970's and early 80's Datong was well known for a number of successful amateur radio products that included Filters, RF Speech Processors, Morse Tutor and an HF to VHF receive up-converter. The company's final amateur radio product was its 2 Meter Direction Finding unit known as the D F One that was produced in 1982. The D F One led Datong into the security and defense sectors where it found a ready market for its products in an era of heightened terrorist activity in the UK. At that point Datong stopped producing equipment for radio

amateurs.

Datong PLC, as it is known today, provides a range of advanced high performance covert intelligence gathering solutions, supplying defense, homeland security and law enforcement agencies around the world. More about the company and its current products is on-line at www.datong.co.uk. (Southgate)

**

NAMES IN THE NEWS: FIRST 24 GHZ CONTACT BETWEEN USA AND JAPAN

Some names in the news. First up are W5LUA and JA6CZD reportedly made the first 24 GHz EME contact between the USA and Japan on January 2nd.

Their QSO took place at 1430 UTC when both stations had about an hour of common time where each had 15 to 20 degrees of elevation to the Moon. JA6CZD used a 2.4 meter offset fed dish with a 22 watt transmitter. W5LUA also used a 2.4 meter offset fed dish and a Traveling Wave Tube mounted on the feed support providing 100 watts out.

W5LUA's station was GPS locked and JA6CZD uses a Rubidium standard to control frequency. The mutual Doppler Shift placed both at about 24048.108 MHz based on a center frequency of 24048.100 MHz. This shifted down in frequency as the schedule took place. (ANS, W5LUA)

**

MAMES IN THE NEWS: KC2UHB ON HAM RADIO EDUCATION

A number of articles written for Make Magazine by Diana Eng, KC2UHB, about getting started in amateur radio are now available on the web. These include Setting Up a Radio Shack; How-To: Set Up an HF Portable Radio While Hiking and Seeing Radio Waves With a Light Bulb to mention only three. Most of these articles date back to 2009 and 2010 but remain relevant today. More information is on-line at blog.makezine.com or simply do a Google search for Diana Eng. (Southgate)

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BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

EMERGING TECHNOLOGY: NEW SUB MICRO MEMORY UNVEILED

A major breakthrough in magnetic storage for data has been announced. Amateur Radio Newsline's Jim Damron, N8TMW, has the details:

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An atomically assembled array of 96 iron atoms containing one byte of magnetic information in antiferromagnetic states has been announced.

The findings, being reported in the journal Science, could help lead to a new class of nanomaterials for a generation of memory chips and disk drives that will not only have greater capabilities than the current silicon-based computers but will consume significantly less power. And they may offer a new direction for research in quantum computing.

According to Shan X. Wang, director of the Center for Magnetic Nanotechnology at Stanford University magnetic materials are extremely useful and strategically important to many major economies, but there aren't that many of them. To make a brand new material is very intriguing and scientifically very important.

Until now, the most advanced magnetic storage systems have needed about one million atoms to store a digital 1 or 0. The new achievement is the product of a heated international race between elite physics laboratories to explore the properties of magnetic materials at a far smaller scale.

Last May, a group at the Institute of Applied Physics at the University of Hamburg in Germany reported on the ability to perform computer logic operations on an atomic level.

The group at I.B.M.'s Almaden Research Center here in the United States has now created the smallest possible unit of magnetic storage by painstakingly arranging two rows of six iron atoms on a surface of copper nitride. Such closeness is possible because the cluster of atoms is antiferromagnetic. This is a rare quality in which each atom in the array has an opposed magnetic orientation. In common ferromagnetic materials like iron, nickel and cobalt, the atoms are magnetically aligned.

>From Charleston West Virginia, I'm Jim Damron, N8TMW, reporting.

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As this technology matures it could lead to a major breakthrough in magnetic based data storage for many industries as well as in future scientific endeavors. (Science)

**

WORLDBEAT: ABORIGINAL RADIO STATION IN CANADA'S NORTHWEST TERRITORIES GOES DARK

A popular aboriginal radio station in Canada's Northwest Territories is no longer on the air.

CKLB Radio made the announcement online early Saturday morning, January 5th. Its posting to the World Wide Web says that as of December 21st, the society didn't get the promised funding for the 2012 fiscal year, adding that it is nine months overdue. Because of this, those in charge of CKLB have no choice but discontinue the broadcasting service.

The post did not say if or when the station, which broadcasts on 101.9 FM, might be back on the air. This Aboriginal radio station is run by the Native Communications Society of the Northwest Territories. (RW)

**

HAM RADIO IN SPACE: CUBESAT LECTURES JAN 29 TO FEB 3 IN BRUSSELS

Lectures on CubeSat Technology and Applications that will be held at von Karman Institute in Brussels, Belgium from January 29th to February 1st. In all there will be close to twenty sessions presented by a group of worldwide experts in this field. Participation is limited to 100 people. If you wish to attend you must pre-register on-line now at tinyurl.com/belgium-cubesat-gathering. (ANS)

**

HAM RADIO IN SPACE: SKN ON OSCAR 2013 BEST FIST NOMINATIONS DUE

AMSAT is thanking all who participated in Straight Key Night on OSCAR 2013. It's also requesting that if you have not yet done so to please take a moment to nominate someone you worked for Best Fist.

According top AMSAT, your nominee need not have the best Morse sending fist of those you heard, only of those you worked. Send your nomination to w2rs (at) amsat (dot) org. Those nominated will be recognized in an Amsat News Service bulletin in early February, and in an upcoming AMSAT Journal. (ANS)

**

WORLDBEAT: EUROPEAN DX COUNCIL CONFERENCE SEPT 6 - 9 IN PORTUGAL

This year's European DX Council Conference takes place Friday September 6th to Monday September 9th at Figueira da Foz, near Coimbra, Portugal. More details will be released in the near future at the EDXC web site at www.edxc.org (EDXC)

**

DX

In DX, K4ZW is currently on the air from South Sudan as Zed-81-Zed. He is active on High Frequency Bands mostly using CW. Please QSL via home call or electronically using Logbook of the World.

SM6CPY will be operational as 9X0PY from Rwanda between January 15th and the 31st. Activity will be holiday style on all bands using mainly CW and listening up 25 kHz. QSL via his home callsign, direct or by the Bureau.

F6BLP is again be active as 6W7SK from Senegal through January 18th. Operations are holiday style using an IC-7000 into G5RV antenna operating mainly CW. QSL via F6BLP, direct or by the bureau.

F5OGL reports that back on March 24th and 25th, 2012, a station operating as TO4E, and claiming that he was on Europa Island was definitely not where he claimed to be. According to F5OGL tells the last TO4E DXpedition to Europa was in 2003 and there has not been any authorized activity from this island since.

Lastly, VK2CCC will be active from Lord Howe Island September 22nd to the 29th as VK9LL. He will focus on 160 and 80 meters. QSL direct via home call or electronically using Logbook of the World.

**

THAT FINAL ITEM: SAVING EARTH FROM AN ASTEROID WITH PAINTBALLS

And finally this week, if an asteroid ever takes aim at our planet one MIT researcher says that shooting paintball pellets at it could bump it off its course. Amateur Radio Newsline's Cheryl Lasek, K9BIK has more:

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In the event that a giant asteroid is headed toward Earth, you'd better hope that it's blindingly white. Why you ask? This is because one researcher believes that such a pale colored asteroid would reflect sunlight. So by bouncing a lot of photons off its surface could create enough of a force to push the asteroid into a different direction.

Sung Wook Paek is a graduate student in MIT's Department of Aeronautics and Astronautics. He says that if timed just right, pellets full of paint powder, launched in two rounds from a spacecraft at relatively close distance, would cover the front and back of an asteroid. This would more than double its reflectivity. Paek claims that the initial force from the pellets might bump an asteroid off course and that over time, the sun's photons would deflect it even more.

But there are a few caveats. From his calculations, Paek estimates that it would take up to 20 years for the cumulative effect of solar radiation pressure to successfully pull the asteroid off an Earthbound trajectory. He also says that launching pellets with traditional rockets may not be an ideal option, as the violent takeoff may rupture the payload. Instead, he envisions paintballs may be made in space, in ports such as the International Space Station. There a spacecraft could then pick up a couple of rounds of pellets to deliver to the asteroid.

Paek's paper detailing this unconventional strategy won the 2012 Move an Asteroid Technical Paper Competition. This is an award sponsored by the United Nations' Space Generation Advisory Council, which solicits creative solutions to space-related problems from students and young professionals.

The challenge put forth by this year's U.N. competition was to identify novel solutions for safely deflecting a near-Earth object, such as an asteroid. Scientists have proposed a wide variety of methods to avoid an asteroid collision. Some suggested launching a projectile or spacecraft to collide with an incoming asteroid. Other suggested detonating a nuclear bomb near an asteroid or equipping spacecraft as "gravity tractors," using a craft's gravitational field to pull an asteroid off its path. But when the judging was complete, Paek's paintball strategy was deemed among the most novel approaches presented to date.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

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Researcher Paek recently presented his paper at the International Astronautical Congress in Naples, Italy. More about this theoretical way to deflect an asteroid off its trajectory is on-line at tinyurl.com/asteroid-paintball. (MIT, Science OnLine, others)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Skeeter Nash, N6ASH, saying 73 and we thank you for listening.

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9. COMMENT DEADLINE SET IN WRC-07 IMPLEMENTATION PROCEEDING

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-11 17:41:52 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kcpht9$e8h$1@dont-email.me>
Source record: 119

On 1/11/2013 5:00 AM, William M. Pasternak wrote:
> COMMENT DEADLINE SET IN WRC-07 IMPLEMENTATION PROCEEDING

IANALB, ISTM that if this is the result of a treaty, then the FCC
wouldn't need to pass any rule. Am I right?

W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

10. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-11 17:45:26 UTC
From: Channel Jumper <Channel.Jumper.b3554d8@radiobanter.com>
Message-ID: <Channel.Jumper.b3554d8@radiobanter.com>
Source record: 120

In Pennsylvania, most every county that is affiliated with FEMA or has a working ARES / RACES group - has a logistic's vehicle - tag behind trailer, some even has a box in the rear with a four wheeler or room for a small paddle boat.

The problem is - the county has possession of the trailer and they don't let anyone play with it except the Hazmat crews, the firemen, the county coordinator etc..

Hams are left out of the picture, because we have never had a real emergency here other then the Great St Patricks Day flood of 1936, the Flood of 1976, the flood of 1996 and two very small tornado's - one of which happened to travel across mountains for many miles - back in 1976? and another in 1985...

Other then that, the only other thing of any significance is the Johnstown flood which is where the American Red Cross came from.

Most television stations used analog equipment, but as the equipment gets older, they have mostly switched to digital equipment.
Even this is a expense, since they have to reapply for a license to use the digital equipment.
There is a A/B converter that is being sold which upconverts the digital signal to analog and sends it to the station which down converts it back into digital.

The purpose of the digital signal is to get more information into the same bandwidth - hence you can send a 1080I or P signal along with a 480P signal at the same time on the same frequency - even with the analog equipment.

The equipment is relatively cheap - $20,000.00 as opposed to having go through the licensing process for the digital conversion and having to buy all new equipment.

As others has said, purpose built broadcast equipment tends to be pricy when trying to convert it to amateur radio frequencies...

--
Channel Jumper

11. 30 Years Ago: Early TAPR and TNC History

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-11 17:46:01 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <50f04deb$0$61634$540ea2cf@novia.net>
Source record: 121
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.digital.misc

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: karn <utzoo!decvax!harpo!eagle!karn>
>Subject: TAPR Experiments Document
>Newsgroups: net.ham-radio
>Date: Mon Jan 10 23:46:39 1983

LOCAL AREA NETWORKS VIA PACKET RADIO MEDIUM

Den Connors

University Computer Center
University of Arizona, Tucson, Arizona

Abstract

Investigations are underway by the Amateur
Radio community to incorporate digital communica-
tions techniques into the Amateur Service. The
network system utilizes simple techniques, using
normal terminals and personal computers, and a wide
variety of amateur radio transceivers. Complete
local area network protocols are realized by
incorporating a micro-processor based interface
unit to connect the terminal device and radio.
Physical-level protocol involves half-duplex trans-
missions with frequency-modulated transceivers.
Channel activity is sensed by the packet radio, and
negative acknowledgement used to determine if
retransmission of lost packets is required. A
data-link control is also implemented, and two
connecting protocols are being tested on top of
these lower levels. The TAPR/AMSAT protocol
provides multiple point-to-point connections on the
channel. The TAPR/DA (dynamic-addressing) protocol
```

implements a full datagram network, and uses a robust network control scheme to provide near-optimum channel utilization and network tolerance to a number of error conditions related to open radio channels.

Introduction

The Tucson Amateur Packet Radio group is currently coordinating a series of tests with Amateur Radio operators in eighteen major U.S. cities, to investigate the use of digital computer and terminal communications using packet radio techniques. Initial investigations are being performed on the Amateur Radio Service VHF bands, using half-duplex transmissions. Two sets of experiments are being undertaken; the first is testing multiple simultaneous connections on a single shared frequency, while the second tests a new form of efficient radio frequency local area network.

A general description of the system is given in terms of the signals and medium access. This is followed by information on the hardware implementation. A more detailed description of the signalling technique, data link protocol and the two types of link and network protocols are described.

Physical and Medium Access Protocols

Both protocol tests are using a common medium. Access to the radio channel is accomplished using audio frequency shift keying within the normal audio communications passband. The packet radios are able to detect digital communications on the channel, and will defer transmissions while there is activity on the channel. Collisions, interference and unusual conditions (fading, multipath, etc.) which cause unsuccessful transmissions will result in no acknowledgement, and an automatic retransmission will result after a set delay. Multiple unsuccessful transmissions will produce an error indication at the data source. Successful transmissions will result in an acknowledgement being transmitted to the originating station. The acknowledgements may occur after each packet, or may be deferred for up to seven packets, using standard high-level bit-oriented data link protocol (HDLC), implemented with large-scale integrated circuitry.

This multiple-access protocol is therefore based on on-channel data sensing, with negative acknowledgement causing retransmission (data-sensed multiple-access with collision-detection by negative acknowledgement, or DSMA/NAK). It should be noted that the normal LAN technique of carrier-sensing is not appropriate to the Amateur Radio Service, where all manner of signals are apt to impinge on the data channel. Use of much less occupied bands is possible, and conversion to carrier-sensing trivial. However, the choice of using the more heavily-used bands was made to provide exposure to the general population, and promote acceptance of this new mode.

Hardware

The Tucson Amateur Packet Radio Corporation (TAPR) has created a single-board packet radio terminal node controller (TNC) which interfaces standard microcomputers or data terminals to commonly available Amateur Radio transceivers.

Initial investigations in Tucson are using the two-meter band (144-148MHz), and both this band and others will be used in the other seventeen test sites. This band was chosen for maximum visibility within the Amateur community.

The transceiver interface is performed without modification to the unit by using the three normally-available signal lines; audio input (microphone), audio out (speaker) and transmit (push-to-talk). This ease of equipment configuration was the primary reason to use audio-frequency shift keying, and to keep the modulating signals within the audio passband.

The digital data from the terminal or computer is fed to the packet radio interface board either through a standard RS-232 serial interface port, or by using a custom parallel interface. TTL-level lines are provided on the board for these connections, and a wire-wrap area is also included for non-standard interconnects.

The TNC accepts the serial or parallel data and formats the data into packets, using the standard HDLC format as described below. These serial packets are encoded using a non-return-to-zero inverted (NRZI) code to assist in providing an audio signal for the demodulator to lock on, using phase-locked loops. This NRZI data is

presented to the audio FSK modulator, and the modulated signal is fed to the audio input of the transceiver.

The received signal appears as an AFSK signal on the audio output of the radio. A side benefit of using standard Amateur radios is the availability of a speaker for monitoring the channel while the experiments are in progress, although experience suggests that continued monitoring can be most distracting.

The signalling tones used to modulate the radio were chosen to be compatible with those of the Bell 202 half-duplex modem set of standards. This was done both to use a well-tested pair of frequencies with much operating experience, and to allow earlier experimenters with surplus 202-type modems to use their equipment, expanding the size of the test community. The main drawback to the 202-type modem is the limitation of 1200 bits/second of data transmission. Further experimentation is planned for higher-speed phase-shift keying modems within radios built expressly for packet radio service.

Hardware also exists on board to handle packet encoding and decoding, buffering, and system initialization and calibration. All components necessary to provide the channel access and data link control, as well as network protocol, are also contained on the TNC. A built-in modem and power supply minimize the complexity of installation.

Data Link Control

Both protocols being investigated use similar data-link protocols, although there are differences in addressing modes. An HDLC controller integrated circuit provides most of the circuitry for building and disassembling the packets. HDLC framing signals, address bytes, control byte and trailing cyclic redundancy check bytes are employed without modification. Successful packets are acknowledged on receipt, using standard HDLC control modes. Each packet is checked for correct CRC calculation, and the acknowledgement packet is withheld if the CRC is incorrect. This forces a retransmission by the source station. Retransmitted packets are thereby forced either by incorrect CRC calculation or by having been interfered with (collisions or unwanted signals). Collisions of packets are

minimized by the data-sensing capabilities of the packet radios.

The decision of the next time to retransmit a packet will be weighted by a binary-exponent random back-off algorithm, similar to that used by Ethernet-like systems. This minimizes the possibility of continuing collisions by radios with nearly-synchronous retransmission attempts.

Unlike most LAN media, the open radio channel susceptibility to intentional and unintentional interference adds complexity to the link-level algorithms used to reschedule transmissions. Another problem is the phenomenon of "capture" of the receiver demodulator by FM signals stronger than that of the desired signal.

Connection-Oriented Protocol

The first protocol used to exercise the packet radio system was one developed simultaneously by groups in the Los Angeles and Washington, D.C. areas, and approved and "standardized" at a meeting sponsored by the Radio Amateur Satellite Corporation (AMSAT) in October of 1982. The implementation of this TAPR/AMSAT protocol provides a means of connecting pairs of packet radios with a communication channel transparent to other users of the shared channel. While lacking some of the capabilities of a full local area network, this protocol nonetheless provides a means of experimenting with channel capacity, access algorithms and system parameters.

The TAPR/AMSAT implementation provides the same types of functions as the link-access protocol of X.25. Connection and disconnection, error indications and control, and flow control are all provided. Virtual circuits are supported on the channel and channel-wide monitoring is available.

The addressing scheme is unique, in that the Amateur Radio Service has associated with each station a single call sign, that of the station owner/operator. The packet radios have made use of this uniqueness to provide unambiguous addressing, both within LAN's and across future internetwork gateways. A serious drawback is the requirement of seven bytes for both sending and receiving addresses, but on the half-duplex channels currently in use, this added overhead is not

noticeable.

A further enhancement allows extension of the network to larger geographical areas with any of the stations acting as a store-and-forward packet repeater. Stations requiring repeat services use bits in the HDLC control word to signal the need to have a message repeated, and repeated messages turn off this bit to prevent possible multiple acknowledgements.

Although this protocol is designed primarily for point-to-point links within a larger multi-point network configuration, it does lend itself well to some of the needs of the shared-channel packet system, including terminal-to-host and host-to-host connections.

Datagram Protocol with Dynamic Addressing

The second protocol being used in the packet radio experiment test beds has a more efficient addressing scheme, providing each station with a mechanism to obtain a one-byte address when first accessing the network. This dynamic-addressing protocol, called TAPR/ DA, provides a full network configuration with connectionless protocol and a centralized, failure-tolerant network control mechanism.

The unique aspect of this LAN protocol is this utilization of dynamic address allocation. A network control station (NCS) monitors for stations attempting to sign on, and replaces the amateur radio call sign sent to the NCS with a single byte address for efficiency. Each station then has available from the NCS a list of users (amateur call signs) and corresponding assigned addresses. This list is the system status table. For robustness and ease of switching to other radio channels, the first station on any given frequency will automatically be chosen as the NCS, and in the event of loss of this station, the next station attempting transmissions which require the NCS will become the NCS.

This protocol also supports a store-and-forward repeat capability. The possibility of hearing stations in a different network geo-graphically remote, but using the same frequency requires special algorithms. The conditions of multiple store-and-forward digipeaters, network

control stations or identically-addressed stations must be detected and corrected.

Future Research

Currently experiments are underway to further extend network topology through the use of specified stations as network-to-network links, using separate radio channels. Additionally, the use of amateur radio satellites is being planned.

Acknowledgements

The author wishes to acknowledge the efforts of Lyle Johnson, who is the principal architect of the terminal node controller hardware. Margaret Morrison, Harold Price and David Henserson wrote the TAPR/AMSAT software for the system, and Marcus Chamberlin and David McClain produced the TAPR/DA software. Design credit also goes to all of the above, as well as Charles Green, Mark Baker and Dan Morrison for several design concepts. Further gratitude is given to the 180 hams who have volunteered a wide variety of resources to help test the system.

>From: karn <utzoo!decvax!harpo!eagle!karn>
>Subject: TAPR Status
>Newsgroups: net.ham-radio
>Date: Mon Jan 10 23:47:13 1983

By Lyle Johnson WA7GXD, and Dan Morrison KV7B

BLACK THURSDAY

All was going well. The parts were in hand, PC boards delivered and volunteer (slave) labor lined up for the BIG PUSH -- would you believe Beta TNCs in time for Christmas?

Neither would Murphy! On Wednesday, 8 December 1982, the first TNCs were delivered to TAPR from one of the two assembly plants. The first one worked perfectly! Unfortunately, by 2:00 AM, Thursday, 9 December, a serious problem was very apparent. "Black Thursday" was upon us. Only 3 of the first 19 TNCs were functional.

After a fitful (morning's) rest, an emergency meeting of the TAPR executives was called, production halted, and an investigation into Murphy's doings launched.

It turned out that there was a problem in the plate-through job on the PC boards, meaning that the top half and the bottom half of the board were intermittently (dis)connected. The 119 TNCs assembled by the time of the halt in production were sent to the scrap bin, and an assessment of the damages made. The losses were a staggering $8600!

TAPR, being in no position to absorb such a blow, determined to finish the project anyway. A salvage operation was mounted, and in the end there is a $3000 loss to contend with -- not insubstantial, but one that, with a judicious amount of finagling, and some voluntary $upport from those interested in seeing this thing through, can be overcome. New boards were ordered fabricated (free) and parts to populate the boards re-ordered.

After a few slips in the schedule, 10 boards were received the week of 28 December 1982. Two were hand-assembled by WA7GXD, and worked the first time. Three were assembled by one of the two assembly plants, wave-soldered and delivered. All three worked!

The delay time was used by both the software group, for additional debugging and refinement, and the hardware group, for additional testing and interfacing. Meanwhile, the approximately 70-page TNC Manual is being edited and clarified.

The present schedule calls for board assembly to begin the week of 9 January with assemblies delivered to TAPR late in the week of 16 January. The boards will then be powered up and power supply voltages checked. Passing this test, the ICs will be loaded and calibration performed on the MODEM. Finally, the TNC will "connect" to itself via a digipeater, then be packed up, along with the manual, for shipment to the Beta coordinator. The Beta coordinator will then be responsible for distribution of the TNCs to the individual site participants.

It has often been asked if the TAPR TNCs will be compatible with the Vancouver TNCs, and the answer is an emphatic YES! Harold Price, NK6K and co-author of the high-level PASCAL software, established a connection with Skip Hanson, WB6YMH, in Los Angeles on 8 January 1983. Harold was using a Beta TNC, while Skip used a VADCG TNC. Packets were exchanged for a half-hour or so, and the test was a complete success!

The initial software released with the Beta boards is a version of the AMSAT protocol agreed upon in

Washington DC the weekend of October 8th, in addition to the more-or-less standard Vancouver protocol in general use. The software is outlined in more detail below.

SOFTWARE UPDATE

This update would be written by Margaret, KV7D, rather than by me (KV7B), except that as these words are being composed she is putting the last bells and whistles in the TAPR/AMSAT AX.25 level 2 protocol software which will appear on the TAPR Beta board at time of distribution. The people responsible for this monumental effort are: Dave Henderson, KD4NL, who was responsible for implementing the protocol; Margaret Morrison, KV7D, who put together the entire package of real-time assembly language routines and debugger; and Harold Price, NK6K, who built the extremely flexible command parsing language. Of the 24k bytes of PROM on board, 22k are used in this release. The high-level routines were written in compiled Pascal, and occupy about 16k of the total. The entire development time was roughly from the AX.25 protocol meeting in October until today (mid-January).

The simplest description of the software is that it's everything any of us dared to hope for and more. Not only does it implement AX.25 level 2 protocol "by the book," (it follows the October 10 document produced at the AMSAT meeting, based on the AMRAD recommendations; and where ambiguities exist, follows Ma Bell's BX.25, issue 2 document), but it can also operate in Vancouver compatibility mode with no problems.

Present at this time are some 66 user settable parameters for controlling the behavior of the board, many of them for determining the details of terminal communication. In this short space only a few highlights may be mentioned, but they include such items as hardware and software flow control, separately controllable in either direction, with the software flow control characters being user definable. In order to permit total transparency a single command defeats all special character traps and packetizes according to timer and packet length criteria. At the other extreme, input editing at the character and line level are available, including a separate "cancel packet" command.

Perhaps the most important features are the elaborate timer operated CSMA procedures, including (all user settable) separate key-up delays for digipeating

and originating packets, separate delays for voice repeater key-up and tail-drop times, and random wait times after collisions. Flow control on the RF link also involves time delays. Altogether, there are ten distinct timer functions associated with the RF link, requiring 4 separate clocks to be maintained by the interrupt driven routines.

All in all, the functions presently on board should be more than adequate for the "shakedown cruise" coming up during Beta Test, and future releases will have even more features (we've still got 2k PROM to go before adding the next deck to the board!).

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlDwTYYACgkQ6Pj0az779o76xwCeNzIMCCQoLaNDrPpnLuZ8JZbN
gHEAoKEkJZx4wi+H0QVhfOoRPUtL3vtj
=xZuE
-----END PGP SIGNATURE-----

12. Re: COMMENT DEADLINE SET IN WRC-07 IMPLEMENTATION PROCEEDING

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-11 19:24:26 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <uto0f8p1bb9h0kel37d4eumnb48kgn6hao@4ax.com>
Source record: 122

On Fri, 11 Jan 2013 12:41:52 EST, Bill Horne <bill@horneQRM.net>
wrote:

>IANALB, ISTM that if this is the result of a treaty, then the FCC
>wouldn't need to pass any rule. Am I right?

The treaty obligates "each signatory Administration" (ITU-speak for
"each country", not the political party in office) - in this case the
FCC - to take whatever action the national laws require to implement
the provisions. The FCC passes rules after the public notice and
comment process required by the Administrative Procedure Act (Title 5,
U.S. Code).

73 de K2ASP - Phil Kane
ARRL Volunteer Counsel

13. ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-12 17:35:38 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kcs6t1cpd1@dont-email.me>
Source record: 123

I just got the email from the ARRL:

"QST's Stacking Up? Get Digital QST Only".

... with a button to push if I want to opt out of getting the "dead tree" version of QST.

Now, let me make it clear that I don't have any problem with people who want the printed version. I also don't have a quarrel with those who prefer an online publication.

I've been a life member of the ARRL since 1972. They do some good and important things in Newington. What they are not doing, at least not yet, is producing a version of QST that can be used online.

There are some nice features, such as clickable links in the table of contents. They are a good start toward making QST online more usable.

But ...

From what I've seen of the online edition, it looks like the pdf file that was sent to the printer to make the paper-and-ink version. The articles are shown in page-image format, which means that each page appears as it would if I were holding the paper-and-ink version open, but with the lower 2/3 of each page obscured. I have to page down to the bottom of one column, go back to the top, go down to the bottom of the second, etc.

It's not going to work for me. When it comes to digital publications, I go back so far that I get to say "We used to write on the disks with a chisel", and this isn't going to work. Computers are /not/ the same as print media: graphic displays are not going to work well with content that is formatted for a magazine.

In short: "A" for effort, but "D" for results. Check back later.

73,

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

14. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-12 20:20:37 UTC
From: Patty Winter <patty1@wintertime.com>
Message-ID: <50f1c58e$0$80179$742ec2ed@news.sonic.net>
Source record: 124

In article <kcs6t1cpd1@dont-email.me>, Bill Horne <bill@horneQRM.net> wrote:
>I just got the email from the ARRL:
>
>"QST's Stacking Up? Get Digital QST Only".
>
>... with a button to push if I want to opt out of getting the "dead
>tree" version of QST.

What do you mean by "ARRL drops the other shoe"? Are they making the
digital edition mandatory?

> From what I've seen of the online edition, it looks like the pdf file
>that was sent to the printer to make the paper-and-ink version. The
>articles are shown in page-image format, which means that each page
>appears as it would if I were holding the paper-and-ink version open,
>but with the lower 2/3 of each page obscured.

Hmmm, I'm not seeing any obscuration. Is it some kind of shaded gray
that's covering the bottom part of the page? Oh, and to be clear, are
you talking about the Nxtbook version of QST on the ARRL website, or
did you find a way to actually download a PDF file? Oftentimes, these
flashy online digital magazines let you download a PDF version, but
all I see with this one is an option to run their software on your
computer. No thanks. :-)

If you're hoping that the League will convert each issue to HTML
format, complete with nice layout and graphics, I wouldn't hold
my breath on that. The reason companies choose solutions such as
Nxtbook is because it's a lot easier and cheaper than redoing the
layout in HTML.

Patty

15. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-13 16:39:25 UTC
From: Red Blade <penachew@yomomma.hot.invalid>
Message-ID: <kctoq4hig1@dont-email.me>
Source record: 125

On Sat, 12 Jan 2013 12:35:38 -0500, Bill Horne wrote:

> I just got the email from the ARRL:
>
> "QST's Stacking Up? Get Digital QST Only".
>
> ... with a button to push if I want to opt out of getting the "dead
> tree" version of QST.
>
> Now, let me make it clear that I don't have any problem with people who
> want the printed version. I also don't have a quarrel with those who
> prefer an online publication.
>

>
> But ...
>
>

I'm not an ARRL fan, so I don't know about what QST is doing right now,
but we won't get into that.

The only way I will subscribe to a "digital magazine" is if it's a DRM-
free PDF file (like K9YA is).

CQ/PopComm/WorldRadio use some proprietary format called Zinio, which
from what I heard, makes the magazine ads as pop-up ads to click off, and
cannot be converted to PDF (though they do say the articles can be
printed, so I guess Bullzip or something might work for part of the
article).

No freedom, no open standards: I choose paper or a blog's RSS feed.

--

Red Blade

President of alt.politics, alt.fan.rush-limbaugh, & talk.politics.misc
Fanfiction Committee Chairman of alt.tv.beavis-n-butthead

http://www.libertycolumns.com/

16. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-13 17:32:15 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kcur2p$984$1@dont-email.me>
Source record: 126

On 1/12/2013 3:20 PM, Patty Winter wrote:
> In article<kcs6t1cpd1@dont-email.me>, Bill Horne<bill@horneQRM.net> wrote:
>> From what I've seen of the online edition, it looks like the pdf file
>> that was sent to the printer to make the paper-and-ink version. The
>> articles are shown in page-image format, which means that each page
>> appears as it would if I were holding the paper-and-ink version open,
>> but with the lower 2/3 of each page obscured.
>
> Hmmm, I'm not seeing any obscuration. Is it some kind of shaded gray
> that's covering the bottom part of the page?

No, it's simply not on my screen, as if I were trying to read the
printed version with a book on top of the magazine, covering the lower
2/3 of the page.

> Oh, and to be clear, are you talking about the Nxtbook version of
> QST on the ARRL website, or did you find a way to actually download
> a PDF file? Oftentimes, these flashy online digital magazines let
> you download a PDF version, but all I see with this one is an
> option to run their software on your computer. No thanks. :-)

I'm talking about the /appearance/ of the page on my computer screen,
which looks like the pdf file that most printers now ask for instead
of "photo ready" paste-up copy.

> If you're hoping that the League will convert each issue to HTML
> format, complete with nice layout and graphics, I wouldn't hold
> my breath on that. The reason companies choose solutions such as
> Nxtbook is because it's a lot easier and cheaper than redoing the
> layout in HTML.

I'm hoping that the league spends the money needed to make the online
edition of QST viable. I don't care if it's done in HTML, or sent as a
pdf, or by other means. A page formatted to be easy-to-read in a "tall
and narrow" format such as a magazine page simply doesn't work in
a "short and wide" format such as my computer screen.

73,

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

17. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-13 17:53:45 UTC
From: Howard Lester <howardxtlester@verizon.net>
Message-ID: <kcusb2$h7i$1@dont-email.me>
Source record: 127

"Bill Horne" wrote

> From what I've seen of the online edition, it looks like the pdf file that
> was sent to the printer to make the paper-and-ink version. The articles
> are shown in page-image format, which means that each page appears as it
> would if I were holding the paper-and-ink version open, but with the lower
> 2/3 of each page obscured. I have to page down to the bottom of one
> column, go back to the top, go down to the bottom of the second, etc.

When I first open the digital edition, the "magazine" shows up in FULL on my 15.6" laptop screen. That is, I see two full pages side by side. The print size, however, is awfully small, so I have to enlarge it. To do that I click on the page, it instantly grows to readable size. Holding down the left button of my mouse, I can move the page around as necessary. Is that ideal? Heck no. But it works, and it seems to be the simplest way. Still, I *much* prefer the printed magazine regardless how well QST [ever] presents their digital version.

Howard N7SO

18. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-13 18:29:26 UTC
From: Patty Winter <patty1@wintertime.com>
Message-ID: <50f2fcff$0$80118$742ec2ed@news.sonic.net>
Source record: 128

In article <kcusb2$h7i$1@dont-email.me>,
Howard Lester <howardxtlester@verizon.net> wrote:
>
>When I first open the digital edition, the "magazine" shows up in FULL on my
>15.6" laptop screen. That is, I see two full pages side by side. The print
>size, however, is awfully small, so I have to enlarge it. To do that I click
>on the page, it instantly grows to readable size. Holding down the left
>button of my mouse, I can move the page around as necessary.

I just tried the QST Nxtbook on my 13" MacBook. In full-screen mode,
zoomed in to a readable print size, the content of some pages fits on
the screen. On most pages, I have to use the trackpad a bit to scroll
the page. It would be the same situation if I were reading a downloaded
PDF. So yeah, that's a bit annoying. Of course, no scrolling is necessary
on the larger screen of my iMac, so if "the other shoe" is that ARRL is
going to discontinue the printed edition of QST (although I really, really
doubt that), it'll be fine.

Patty N6BIS

19. Seeking suggestions for starter HF rig.

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 01:20:54 UTC
From: Tom Horne <hornetd@gmail.com>
Message-ID: <70e940d3-f290-434c-80a6-1f5350e5d467@f4g2000yqh.googlegroups.com>
Source record: 129

I need suggestions for a good HF starter rig for use by newly licensed Technicians to get on the narrow portions of the HF bands that they are allowed to operate in. Getting some actual HF experience would be a good way to get them interested in upgrading to General Class Licenses. The kind of rig I'm thinking of would be for the highest allowed Tech power on HF and not a GRP rig. It would only need to be capable of CW and digital but How you get digital without SSB is beyond me. If anyone has any suggestions for minimum cost HF rigs that would be somewhat simple to operate please advise here or by email. Thank you for your time.

--
Tom Horne W3TDH

20. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 01:22:06 UTC
From: Tom Horne <hornetd@gmail.com>
Message-ID: <85d68a46-dc7a-4e38-bcb2-ddc61ce7c6d1@w3g2000yqj.googlegroups.com>
Source record: 130

On Dec 30 2012, 8:33 pm, Jerry Stuckle <jstuck...@attglobal.net>
wrote:
> On 12/30/2012 12:38 AM, Bill Horne wrote:
>
>
>
>
>
>
>
>
>
>
>
>
> > My brother W3TDH is very involved with Emcom (Emergency Communications)
,
> > and I'm interested in it too, so here are some questions I hope the
> > readers will be able to answer.
>
> > * Is there any surplus point-to-point microwave equipment
> > available that will work for hams?
>
> > * What do TV stations use now for their trucks? Is there
> > any market for older STL equipment that hams could use
> > for emergency communications?
>
> > * Emcom microwave is mostly for data communications.
> > I know most microwave links are digital these
> > days, but can hams use older analog setups for data?
>
> > * I see Gunn oscillators available for sale from time to time,
> > for fairly low prices. Are they a viable way to build an
> > Emcom setup?
>
> > * What are the capabilities of the OSCAR and other ham orbiters
> > for Emcom data?
>
> > Thanks for your help!
>
> > Bill, W1AC
>
> I'm just wondering - how do you think microwave equipment will help?
> Microwave is point-to-point, i.e. a satellite truck to a tv/radio
> station, where the radio station has a receiver on a relatively tall

> tower or building. Even with that, the mobile unit needs to raise the
> antenna high for a mobile setup to reach the tower.
>
> During an emergency, there is often a net control at an EOC or other
> central point - but it also may be at some other location. And
> typically there are several stations which also need to talk to each
> other, not just the net control. Even if it is point-to-point, most
> hams don't have a means to quickly set up a portable microwave link as
> tv/radio trucks do.
>
> I do think it's an interesting idea, but I don't see it as very practical
.
>
> Jerry, AI0K
>
> --
> =========
> Remove the "x" from my email address
> Jerry Stuckle
> JDS Computer Training Corp.
> jstuck...@attglobal.net
> =========

Jerry

The most common natural disaster in the Mid Atlantic States is a severe ice storm. In my thirty years of service as a Volunteer Firefighter / Rescuer; that is the official county job title; we have had four of these truly disruptive storms. When we get a bad one all of the overhead lines in the older lower half of the county turn into plates of bad looking black spaghetti with the streets as the plates. Since the lower third of the county is entirely overhead power and communications distribution you can imagine what kind of problems ensue. Some of the challenges we then face is identifying the people that are life and death dependent on electrically powered medical equipment and keeping them alive, getting dialysis patients to their treatments, make sure that the residential care facilities such as nursing homes had successful emergency generator starts; it seems there is always at least one were the transfer to emergency power fails; and, as the temperatures drop, we have to shelter the vulnerable elderly and preschool children. The damage I am talking about has been on the order of two thirds of the county's one million residents without power for five days or more during freezing temperatures. We have had utility workers relaying requests for ambulance responses through their dispatchers to our county EOC. In a sense that means that the Office of Emergency Management is doing a good job but that does not mean that they would not benefit from better links with remote operational sites.

One use of higher bandwidth microwave links is to reestablish communications between smaller community ad hoc EOCs, hospitals,

battalion headquarters fire stations, and the purpose built EOC that the county operates. The small community government offices and their police dispatchers are normally connected to the County EOC by land lines. If we set up some microwave links on taller buildings to link the remote sites to the county EOC that would be very valuable. When one of the county's remote service centers is being used as a disaster distribution or shelter point such a link would also be helpful to keep the EOC up to date on the conditions there without tying up a mobile unit or transportable station to that one location. We are also thinking about using Amateur Radio Television to improve the effectiveness of the limited number of qualified damage assessment staff by showing them video of damaged areas.

Notice that these are all assignments within the privileges of Technician Class Licenses. The longer haul work to the State EOC or to the unaffected counties in other portions of the State are handled by our General and Extra Class Licenses. Maryland is not a large State so six meters can handle some of that but some has to go by Near Vertical Incidence Skywave (NVIS).

I hope that gives a clearer idea about what we are considering. Helpful comments; hopefully free of no code diatribes; would be most welcome.

This is in the exploratory phase so that is why we are looking for comments. We have already done some field testing of the links and the results are quite promising in terms of bandwidth. were just hoping to find Hams that have experience with microwave applications and bandwidth to advise on the next steps.

--
Tom Horne W3TDH

21. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 02:48:58 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <kcvqfh$6qe$1@dont-email.me>
Source record: 131

```
On 1/13/2013 8:22 PM, Tom Horne wrote:
> On Dec 30 2012, 8:33 pm, Jerry Stuckle <jstuck...@attglobal.net>
> wrote:
>> On 12/30/2012 12:38 AM, Bill Horne wrote:
>>
>>
>>
>>
>>
>>
>>
>>
>>
>>
>>
>>
>>> My brother W3TDH is very involved with Emcom (Emergency Communications)
> ,
>>> and I'm interested in it too, so here are some questions I hope the
>>> readers will be able to answer.
>>
>>> * Is there any surplus point-to-point microwave equipment
>>> available that will work for hams?
>>
>>> * What do TV stations use now for their trucks? Is there
>>> any market for older STL equipment that hams could use
>>> for emergency communications?
>>
>>> * Emcom microwave is mostly for data communications.
>>> I know most microwave links are digital these
>>> days, but can hams use older analog setups for data?
>>
>>> * I see Gunn oscillators available for sale from time to time,
>>> for fairly low prices. Are they a viable way to build an
>>> Emcom setup?
>>
>>> * What are the capabilities of the OSCAR and other ham orbiters
>>> for Emcom data?
>>
>>> Thanks for your help!
>>
>>> Bill, W1AC
>>
>> I'm just wondering - how do you think microwave equipment will help?
>> Microwave is point-to-point, i.e. a satellite truck to a tv/radio
```

>> station, where the radio station has a receiver on a relatively tall
>> tower or building. Even with that, the mobile unit needs to raise the
>> antenna high for a mobile setup to reach the tower.
>>
>> During an emergency, there is often a net control at an EOC or other
>> central point - but it also may be at some other location. And
>> typically there are several stations which also need to talk to each
>> other, not just the net control. Even if it is point-to-point, most
>> hams don't have a means to quickly set up a portable microwave link as
>> tv/radio trucks do.
>>
>> I do think it's an interesting idea, but I don't see it as very practical
> .
>>
>> Jerry, AI0K
>>
>> --
>> ================
>> Remove the "x" from my email address
>> Jerry Stuckle
>> JDS Computer Training Corp.
>> jstuck...@attglobal.net
>> ================
>
> Jerry
>
> The most common natural disaster in the Mid Atlantic States is a
> severe ice storm. In my thirty years of service as a Volunteer
> Firefighter / Rescuer; that is the official county job title; we have
> had four of these truly disruptive storms. When we get a bad one all
> of the overhead lines in the older lower half of the county turn into
> plates of bad looking black spaghetti with the streets as the plates.
> Since the lower third of the county is entirely overhead power and
> communications distribution you can imagine what kind of problems
> ensue. Some of the challenges we then face is identifying the people
> that are life and death dependent on electrically powered medical
> equipment and keeping them alive, getting dialysis patients to their
> treatments, make sure that the residential care facilities such as
> nursing homes had successful emergency generator starts; it seems
> there is always at least one were the transfer to emergency power
> fails; and, as the temperatures drop, we have to shelter the
> vulnerable elderly and preschool children. The damage I am talking
> about has been on the order of two thirds of the county's one million
> residents without power for five days or more during freezing
> temperatures. We have had utility workers relaying requests for
> ambulance responses through their dispatchers to our county EOC. In a
> sense that means that the Office of Emergency Management is doing a
> good job but that does not mean that they would not benefit from
> better links with remote operational sites.
>

> One use of higher bandwidth microwave links is to reestablish
> communications between smaller community ad hoc EOCs, hospitals,
> battalion headquarters fire stations, and the purpose built EOC that
> the county operates. The small community government offices and their
> police dispatchers are normally connected to the County EOC by land
> lines. If we set up some microwave links on taller buildings to link
> the remote sites to the county EOC that would be very valuable. When
> one of the county's remote service centers is being used as a disaster
> distribution or shelter point such a link would also be helpful to
> keep the EOC up to date on the conditions there without tying up a
> mobile unit or transportable station to that one location. We are
> also thinking about using Amateur Radio Television to improve the
> effectiveness of the limited number of qualified damage assessment
> staff by showing them video of damaged areas.
>
> Notice that these are all assignments within the privileges of
> Technician Class Licenses. The longer haul work to the State EOC or
> to the unaffected counties in other portions of the State are handled
> by our General and Extra Class Licenses. Maryland is not a large
> State so six meters can handle some of that but some has to go by Near
> Vertical Incidence Skywave (NVIS).
>
> I hope that gives a clearer idea about what we are considering.
> Helpful comments; hopefully free of no code diatribes; would be most
> welcome.
>
> This is in the exploratory phase so that is why we are looking for
> comments. We have already done some field testing of the links and
> the results are quite promising in terms of bandwidth. were just
> hoping to find Hams that have experience with microwave applications
> and bandwidth to advise on the next steps.
>
> --
> Tom Horne W3TDH
>

Tom, I well know the area. I've lived in Bethesda for 17 years (and Raleigh, NC, for 14 years before that - similar winter storms). And we have had our share of PEPCO hassles. I also have been active in MoCo ARES and RACES for that time (as I have for most of the 45 years I've been a ham - including about 15 years total as an EC of active ARES organizations).

However, there is no use of amateur microwave in ARES/RACES in the county, and I still fail to see a use for it.

Microwave links do not work well for ad hoc EOCs unless you have means of raising a fairly high tower. The MoCo EOC is in a decently high location, but for instance from my location I would need almost 100' of tower here to get above a ridge between here and the EOC - and that's not figuring buildings which may (and are) in the way. Of course, a

higher tower at the EOC would help - but only if a microwave dish were pointed my way. The same dish wouldn't be able to cover Bethesda, Tacoma Park, Gaithersburg and Olney, at least not concurrently. Setting up microwave links on tall buildings is expensive and time consuming - both in the installation and the maintenance. Just look at what the MARC 146.955 repeater costs every year - and that's with just one transmitter and 4 satellite receivers (plus associated equipment).

As for "not tying up a mobile unit or transportable station" - that only occurs if you have the equipment permanently installed in a location. Very difficult as much of the time you don't know where that "ad hoc EOC" is. You may have an idea - but it can be any of maybe a half dozen sites, depending on which one has power at the time.

You can do just as well with existing 2M and 3/4M equipment, using existing repeaters. If you don't want to "tie up a mobile unit", then install a fixed station there. Either way, you will need to have a licensed ham there. In one case you have an existing, dependable repeater system which is used daily. Sites can use simple 1/4 wave or similar antennas on the roof, or in many cases, even an inside mag mount on a pizza pan. The equipment can tested by pretty much any ham in the county who is active on 2 or 3/4 meters.

On the other end you have a brand new system which is line-of-site only, requiring the installation of multiple receivers on high buildings, and still will most probably require higher towers at remote sites with directional antennas. Equipment will be tested only occasionally, and an outage of a receiver on a high building may go unnoticed for months.

And quite frankly, what do you need high bandwidth links for during an emergency? This isn't the internet where you're downloading huge apps.

I'm not against microwave itself. I've played with it in the past and enjoyed it. But I do not see a realistic use for it which cannot be covered more efficiently by existing equipment on other bands.

--
==========
Remove the "x" from my email address
Jerry, AI0
jstucklex@attglobal.net
==========

22. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 12:55:54 UTC
From: nospam@w6yx.stanford.edu
Message-ID: <kcvu0cpod1@usenet.stanford.edu>
Source record: 132

In article <85d68a46-dc7a-4e38-bcb2-ddc61ce7c6d1@w3g2000yqj.googlegroups.com> Tom Horne <hornetd@gmail.com> writes:

>One use of higher bandwidth microwave links is to reestablish
>communications between smaller community ad hoc EOCs, hospitals,
>battalion headquarters fire stations, and the purpose built EOC that
>the county operates. The small community government offices and their
>police dispatchers are normally connected to the County EOC by land
>lines. If we set up some microwave links on taller buildings to link
>the remote sites to the county EOC that would be very valuable. When
>one of the county's remote service centers is being used as a disaster
>distribution or shelter point such a link would also be helpful to
>keep the EOC up to date on the conditions there without tying up a
>mobile unit or transportable station to that one location.

You would still be tying up an amateur operator at the remote location.
It would be simpler to have a cache with a VHF / UHF radio, power supply,
and antenna.

Comparing individual microwave links to each remote site with a
channel supporting VHF or UHF operators at the sites makes the choice
easy.

If you want microwave links, plan on non-amateur services --- finding
people who can install licensed or license-free non-amateur microwave
systems, and integrate them with the EOC's infrastructure. This will
likely require working with the people who run the phone systems at each
location, and helping them develop a microwave telephone backbone.

Even so, when the ice storm clogs up the microwave equipment, you
will be back on an amateur channel until it gets sorted out.

> We are
>also thinking about using Amateur Radio Television to improve the
>effectiveness of the limited number of qualified damage assessment
>staff by showing them video of damaged areas.

A friend and I experimented with Amateur Television a few years
back in support of a large area atheletic event, in conjunction with
other radio support that the group provided. While the results were
interesting, the range was rather limited to locations with clear
views of the repeater. After trying it for a few years, we concluded
that the coverage was consistently poor enough that it would not
be useful from random locations -- we had to pre-select our operating
sites to be those where we could then arrange repeater coverage.

This was not something to cover a disaster area where you could not predict in advance where you wanted to operate. You would be better off recording the video, or taking digital still pictures, and returning with them in memory.

Alan
wa6azp

23. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 12:56:28 UTC
From: Dick Grady AC7EL <richard@richbonnie.com>
Message-ID: <sfg7f8dn9ee2rpj3hi1mpp1dqaer778cek@4ax.com>
Source record: 133

On Sat, 12 Jan 2013 12:35:38 EST, Bill Horne <bill@horneQRM.net>
wrote:

>I just got the email from the ARRL:
>
>"QST's Stacking Up? Get Digital QST Only".

My only experience with reading a magazine electronically was a few years ago when World Radio stopped paper publication, CQ bought it, and published a PDF version on their web page (free for a while, they charge for it now).

I downloaded a couple of the free issues. The problem I had was that I don't have contiguous blocks of time to read an entire issue at once. And there was no way to bookmark in the PDF file where I left off.

With a paper magazine, I can stop reading any time I want, put a piece of paper at the point I stopped, and then a day or so later resume where I left off. Sometimes it takes me more than a month to read an issue. Also, when I have a doctor's appointment, I can take the paper copy with me to read while waiting my turn. (Yes, I could do that with an iPad or similar mobile device, but only if I had one, which I don't).

Also, I bring my recent past issues of QST and CQ to the VE license exams sessions which I run, and hand them out to newly-minted hams. Can't do that with the online versions.

Dick Grady, AC7EL

24. Re: Seeking suggestions for starter HF rig.

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 12:56:45 UTC
From: Edward Feustel <efeustel@hughes.net>
Message-ID: <5qo7f898ktmao9vv5qrop8hcpfg4s9eavn@4ax.com>
Source record: 134

What kind of budget are you thinking of? Minimum covers such a wide
range. A Kenwood TS-830 or TS-440 might do the trick at the low cost
end.

The older rigs often cannot be computer controlled unfortunately.
Make certain that the rig you get has the WARC bands.

At a higher cost, if he could afford a Ten Tec Paragon II in good
working condition that would provide all HF bands with room for
expansion in filters, etc. The Paragon II can be computer controlled.

73,
Ed, N5EI

On Sun, 13 Jan 2013 20:20:54 EST, Tom Horne <hornetd@gmail.com> wrote:

>I need suggestions for a good HF starter rig for use by newly licensed
>Technicians to get on the narrow portions of the HF bands that they
>are allowed to operate in. Getting some actual HF experience would be
>a good way to get them interested in upgrading to General Class
>Licenses. The kind of rig I'm thinking of would be for the highest
>allowed Tech power on HF and not a GRP rig. It would only need to be
>capable of CW and digital but How you get digital without SSB is
>beyond me. If anyone has any suggestions for minimum cost HF rigs that
>would be somewhat simple to operate please advise here or by email.
>Thank you for your time.

25. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 17:37:59 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kd1fpg$ob4$1@dont-email.me>
Source record: 135

On 1/13/2013 9:48 PM, Jerry Stuckle wrote:

> Tom, I well know the area ... there is no use of amateur microwave
> in ARES/RACES in the county, and I still fail to see a use for it.
>
> Microwave links do not work well for ad hoc EOCs unless you have means
> of raising a fairly high tower.

I think that's the nub of the problem right there: the LOS guys live and die by the old rule "Height is Might". Having said that, though, I also think that microwave links might be useful in locations that /do/ have LOS to a central point. The nice thing about NGO's like ARES is that they get to think "out of the band", and therefore to consider other ways of getting things done: governments have a /lot/ of "high HAAT" places at their disposal, and I feel they can be convinced to share them when the benefits are made clear.

> As for "not tying up a mobile unit or transportable station" - that only
> occurs if you have the equipment permanently installed in a location.
> Very difficult as much of the time you don't know where that "ad hoc
> EOC" is. You may have an idea - but it can be any of maybe a half dozen
> sites, depending on which one has power at the time.

Perhaps that goal would be better stated as "Not tying up a mobile units or transportable stations as much as would otherwise occur". Especially during events where there are a lot of power lines down, mobile units would benefit from having more than one location where they can go to offload data and/or video.

> You can do just as well with existing 2M and 3/4M equipment, using
> existing repeaters.

I disagree: the data rates are too low. There's just not enough bandwidth on those bands. They're great for voice, of course, but Emcom is more and more about transferring /data/.

> If you don't want to "tie up a mobile unit", then
> install a fixed station there. Either way, you will need to have a
> licensed ham there. In one case you have an existing, dependable
> repeater system which is used daily. Sites can use simple 1/4 wave or
> similar antennas on the roof, or in many cases, even an inside mag mount
> on a pizza pan. The equipment can [be] tested by pretty much any ham
> in the county who is active on 2 or 3/4 meters.

That means tying up fixed assets, too, and safeguarding them from unauthorized use and theft.

> On the other end you have a brand new system which is line-of-site only,
> requiring the installation of multiple receivers on high buildings, and
> still will most probably require higher towers at remote sites with
> directional antennas. Equipment will be tested only occasionally, and an
> outage of a receiver on a high building may go unnoticed for months.

Every system has to be tested at regular intervals, and depending on
casual use to verify that a repeater is ready for an emergency isn't
a reliable paradigm.

The repeater's receiver might be a few KHz off frequency, and
still sort-of-OK for casual voice, but too distorted for reliable
data, even at the 1200 bps rates some older TNC's still employ,
let alone at the 9600 bps and higher rates available from
dstar or similar modulation schemes.

A repeater might appear to be fine and ready to use: until the
power fails and someone realizes that the battery charger wasn't.

I could go on, but you get the idea: relying on a more limited,
but more popular, band just because it's in more common use
when the sun is shining isn't (IMNSHO) a viable strategy.
Testing microwave links isn't complicated or difficult: it's
easy to put a test-signal generator at each transmitter location,
and to monitor them from a single "head end": that's what TV
stations do for their courthouse, stadium, statehouse, and
other microwave links when they choose not to cover those
places with mobile equipment.

> And quite frankly, what do you need high bandwidth links for during an
> emergency? This isn't the internet where you're downloading huge apps.

From what little I've seen of the current training of the doctors and
nurses who will comprise the "jump" teams that handle medical needs
during emergencies, hams need to provide an alternative to the
Internet. The medical professionals are trained to make use of
portable computers which have the software they use day-to-day,
and therefore they require the bandwidth that they enjoy
day-to-day. It's /not/ the Internet, since most of the information
is going to be /up/loading from the nodes toward the center, but
it /is/ going to benefit from the bandwidth that microwave can
provide.

> I'm not against microwave itself. I've played with it in the past and
> enjoyed it. But I do not see a realistic use for it which cannot be
> covered more efficiently by existing equipment on other bands.

Frankly, you may be right: microwave links are another layer of
complexity and maintenance. They can, however, also be another
layer of *capability*, and in the process of setting them up,
using them, and maintaining them, hams will acquire the skills,
knowledge, and experience that equips them for other challenges
in the commercial world, as well as during deployments.

Ham radio is in transition from the old system, which was,
AFAICT, one where we were a reserve corps of CW ops for
the military, to a new way of doing things that has yet
to be determined. *Anyone* can use a handi-talkie, and
they are now cheap enough that even local governments can
afford to equip all their employees with a separate unit.
If we hams limit ourselves to being just-another-body-with-a-radio,
then we condemn ourselves to marginal effectiveness at the same
time.

In short, I understand your position: simpler is usually
better. But, as Heinlein pointed out, TANSTAAFL: I'd rather
plan for a future where hams offer capabilities that
municipal-band HT's can't: high speed data and video transfer
from local EOC's to central command points, and maybe even from
mobile units as well. It doesn't cost us anything to think
about it, know what I mean?

73,

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

26. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 18:00:52 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kd1h48$1of$1@dont-email.me>
Source record: 136

On 1/13/2013 12:53 PM, Howard Lester wrote:
> "Bill Horne" wrote
>
>> From what I've seen of the online edition, it looks like the pdf file
>> that was sent to the printer to make the paper-and-ink version. The
>> articles are shown in page-image format, which means that each page
>> appears as it would if I were holding the paper-and-ink version open,
>> but with the lower 2/3 of each page obscured. I have to page down to
>> the bottom of one column, go back to the top, go down to the bottom of
>> the second, etc.
>
> The print size, however, is awfully small, so I have to enlarge it.

You and me both, brother, you and me both ... ;)

Let's face it: hams, as a class, got old. There have been
volumes written about the readability problems associated
with tiny computer screens and old eyes, and the cure for that
problem is to let each viewer vary not only the font size,
but also the presentation of the page.

I want to read the page from top to bottom, not top-to-bottom-to-
top-to-bottom-to-top-to-bottom. I don't think that's unreasonable.

> Still, I *much* prefer the printed magazine regardless how
> well QST [ever] presents their digital version.

No surprise there: I prefer the printed version myself. It has all
the classic advantages of paper-and-ink publishing, including
high contrast, intuitive formatting, and goes-anywhere portability.

As a computer professional, I stare at a display for as many as
ten hours a day. When reading about my hobby, I /like/ being able
to lay in a hammock on a nice day and hold QST between me and the
sky, and I'm reluctant to take my laptop out on a boat or to
try to read it in a car.

The postal service, however, does not work for free, and the ARRL's
advertisers are eager for more "active" content and more targeting
capability, neither of which can be gotten from Johannes Gutenberg's
methods. Ergo, digital QST will be with us for the foreseeable future,
and may even replace the dead-trees version.

I think it's reasonable to expect the ARRL to do more than copycat
the print image in return for the cookies my computer delivers up.

73,

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

27. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 19:53:03 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <33o8f8tisu262lt9et7n2lhcg86f0akkkl@4ax.com>
Source record: 137

On Mon, 14 Jan 2013 12:37:59 EST, Bill Horne <bill@horneQRM.net>
wrote:

>But, as Heinlein pointed out, TANSTAAFL: I'd rather
>plan for a future where hams offer capabilities that
>municipal-band HT's can't: high speed data and video transfer
>from local EOC's to central command points, and maybe even from
>mobile units as well.

I have one foot in each camp - my "day job" is in designing Public
Safety communication systems for our client agencies' needs.

>From a technical standpoint there is nothing that can be done with a ham-band radio that can't be done with a public safety radio - all it takes is "doing it", sometimes with the same peripherals. Many if not most of our client agencies' comm shop supervisors are hams nowadays anyhow.

73 de K2ASP - Phil Kane

>From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

28. Re: Seeking suggestions for starter HF rig.

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-14 19:55:49 UTC
From: Phil Kane <Phil.Kane@nov.shmovz.ka.pop>
Message-ID: <tfo8f8hgkou8u8k3pfsitbeh5ud7hunc4p@4ax.com>
Source record: 138

On Mon, 14 Jan 2013 07:56:45 EST, Edward Feustel <efeustel@hughes.net>
wrote:

>At a higher cost, if he could afford a Ten Tec Paragon II in good
>working condition that would provide all HF bands with room for
>expansion in filters, etc. The Paragon II can be computer controlled.

Or, an Elecraft K2 or K3. Not cheap at all, but as the old proverb
goes "Buy cheap, cry every time it needs replacing. Buy expensive, and
cry only once".

73 de K2ASP - Phil Kane
Proud owner - Elecraft K2/100

29. Re: Seeking suggestions for starter HF rig.

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-15 05:07:36 UTC
From: n3licoslo@gmail.com
Message-ID: <a3591477-4a6a-4b17-8ca9-fefe8c0eb764@googlegroups.com>
Source record: 139

On Monday, January 14, 2013 2:55:49 PM UTC-5, Phil Kane wrote:

> Or, an Elecraft K2 or K3. Not cheap at all, but as the old proverb
> goes "Buy cheap, cry every time it needs replacing. Buy expensive, and
> cry only once".

There are som options out there that aren't too bad, and are relatively ine
xpensive. The Icom IC-718 is around 700 dollars new, and covers 160 to 10 m
eters. It doesn't have the 60 meter band, which isn't that big a deal in my
estimation. It does have the digital interface, which is important to me.

It certainly isn't an Elecraft, but I don't think that it's a bad piece of
equipment.

Another radio tha I have personal experience is the Kenwood TS480SAT. It is
a hundred watt HF radio with autotuner, 160 to 6 meter mobile unit, but it
functions well as a base unit also. They are around 900 dollars. I've talk
ed a number of people in my neck of the woods into getting them.

30. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-15 05:12:18 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <kd282n$n19$1@dont-email.me>
Source record: 140

On 1/14/2013 12:37 PM, Bill Horne wrote:
> On 1/13/2013 9:48 PM, Jerry Stuckle wrote:
>
>> Tom, I well know the area ... there is no use of amateur microwave
> > in ARES/RACES in the county, and I still fail to see a use for it.
>>
>> Microwave links do not work well for ad hoc EOCs unless you have means
>> of raising a fairly high tower.
>
> I think that's the nub of the problem right there: the LOS guys
> live and die by the old rule "Height is Might". Having said that,
> though, I also think that microwave links might be useful in locations
> that /do/ have LOS to a central point. The nice thing about NGO's
> like ARES is that they get to think "out of the band", and therefore
> to consider other ways of getting things done: governments have
> a /lot/ of "high HAAT" places at their disposal, and I feel they
> can be convinced to share them when the benefits are made clear.
>

With microwaves, Height IS Might. And just how many points do you think have LOS to a central point - and that central point can erect multiple antennas and receivers to handle each link? Remember - microwave is point to point - you either need a directional antenna on both ends or a (relatively) lot of power. 5W might get you a good link with a 20db gain antenna on each end; with an 3db gain omnidirectional antenna on one end you'd need 250 watts on each end; omni on both ends and that increases to 6250 watts.

As for the "high HAAT" - yes, governments have that. But have you tried to get on those locations? It's not so easy to convince them.

>> As for "not tying up a mobile unit or transportable station" - that only
>> occurs if you have the equipment permanently installed in a location.
>> Very difficult as much of the time you don't know where that "ad hoc
>> EOC" is. You may have an idea - but it can be any of maybe a half dozen
>> sites, depending on which one has power at the time.
>
> Perhaps that goal would be better stated as "Not tying up a mobile
> units or transportable stations as much as would otherwise occur".
> Especially during events where there are a lot of power lines
> down, mobile units would benefit from having more than one location
> where they can go to offload data and/or video.
>

And exactly how often do you need to send video during an emergency? Never, in my experience. Plus, sending video now requires a camera, a computer and associated equipment. The most important thing in an emergency operation is reliability - and the best way to be reliable is the KISS principle.

Plus, you're adding more which has to be tested on a regular basis, and more equipment which has to be maintained. That takes time and money. And equipment for installing and troubleshooting microwave links is not cheap.

During an emergency, the more important thing is to relay information. Hams primary purpose during this time is not to be sending pictures all over the place; it is to provide a means of communications for operational organizations, i.e. emergency management, police, fire, ems, etc.

>> You can do just as well with existing 2M and 3/4M equipment, using
>> existing repeaters.
>
> I disagree: the data rates are too low. There's just not enough
> bandwidth on those bands. They're great for voice, of course,
> but Emcom is more and more about transferring /data/.
>

And I repeat - exactly what do you have to send that takes large amounts of bandwidth? Even lists of names can be sent via existing digital means; but again that takes additional equipment, although not as much as microwave links (and more readily available). And I have never seen a request to send pictures for one of the organizations we were providing communications for - their people are trained to describe the important points in a few words, much more clearly than a photo provides.

>> If you don't want to "tie up a mobile unit", then
>> install a fixed station there. Either way, you will need to have a
>> licensed ham there. In one case you have an existing, dependable
>> repeater system which is used daily. Sites can use simple 1/4 wave or
>> similar antennas on the roof, or in many cases, even an inside mag mount
>> on a pizza pan. The equipment can [be] tested by pretty much any ham
> > in the county who is active on 2 or 3/4 meters.
>
> That means tying up fixed assets, too, and safeguarding them from
> unauthorized use and theft.
>

And installing dedicated microwave links doesn't?

>> On the other end you have a brand new system which is line-of-site only,
>> requiring the installation of multiple receivers on high buildings, and
>> still will most probably require higher towers at remote sites with
>> directional antennas. Equipment will be tested only occasionally, and an
>> outage of a receiver on a high building may go unnoticed for months.
>

> Every system has to be tested at regular intervals, and depending on
> casual use to verify that a repeater is ready for an emergency isn't
> a reliable paradigm.
>

And where are you going to get the people to volunteer their time to test the links? How about access? For instance, here in Montgomery Country, MD, it almost takes an order from the County Executive to even get into the EOC. Other sites are not much easier to access; for instance some might be in schools which are not accessible on evenings/weekends, and of very limited access to outsiders during school days. Others might be at volunteer fire stations which may or may not be manned at any one time. And BTW, if they have a call while you're there, forget it.

> The repeater's receiver might be a few KHz off frequency, and
> still sort-of-OK for casual voice, but too distorted for reliable
> data, even at the 1200 bps rates some older TNC's still employ,
> let alone at the 9600 bps and higher rates available from
> dstar or similar modulation schemes.
>

It better not be if it's maintained. In fact, even one KHz off frequency will be noticeable to voice.

Additionally, if you REALLY need to run digital, a VHF antenna at the same height as your microwave link will have much better coverage. In fact, it doesn't need to be nearly as high. As an example - I can access the EOC simplex from my location with a 2M antenna at 20 ft. above ground. I would need to be almost 100' above ground to access the EOC with a microwave link, just to clear trees and terrain. I didn't check exactly what buildings are in the way, but I do now there's at least one 10-story+ building between the EOC and me; whether it's directly in line I didn't bother to check.

> A repeater might appear to be fine and ready to use: until the
> power fails and someone realizes that the battery charger wasn't.
>

The same can go for microwave links. They may appear fine and ready for use, until power goes out and someone realizes the battery charger wasn't.

> I could go on, but you get the idea: relying on a more limited,
> but more popular, band just because it's in more common use
> when the sun is shining isn't (IMNSHO) a viable strategy.
> Testing microwave links isn't complicated or difficult: it's
> easy to put a test-signal generator at each transmitter location,
> and to monitor them from a single "head end": that's what TV
> stations do for their courthouse, stadium, statehouse, and
> other microwave links when they choose not to cover those
> places with mobile equipment.
>

Sure, you can go on. You don't rely on something because it's more in common use. You rely on something because it's more reliable and tested every day.

Yes, TV stations do such testing. And they have a few dedicated links to test. Even so, their test equipment costs tens of thousands of dollars. And when a link fails, the test equipment to locate the failure is even more expensive.

A particular link isn't working? Is it a transmitter problem? No output? Off frequency? Bad waveguide (you can't run RG-8 on microwave!)? Similar potential problems on the receive end. And what if the antennas got knocked out of alignment?

You do NOT want to find these things out during an emergency. And even if it shows up in the test, how many hams have the knowledge and equipment to determine the problem and fix it?

>> And quite frankly, what do you need high bandwidth links for during an
>> emergency? This isn't the internet where you're downloading huge apps.
>
> From what little I've seen of the current training of the doctors and
> nurses who will comprise the "jump" teams that handle medical needs
> during emergencies, hams need to provide an alternative to the
> Internet. The medical professionals are trained to make use of
> portable computers which have the software they use day-to-day,
> and therefore they require the bandwidth that they enjoy
> day-to-day. It's /not/ the Internet, since most of the information
> is going to be /up/loading from the nodes toward the center, but
> it /is/ going to benefit from the bandwidth that microwave can
> provide.
>

I disagree. Medical professionals work quite well without the internet. Sure, it makes their job easier. But they know how to work when it's not available.

Additionally, you CANNOT upload medical information over an unencrypted link - there's a little law known as HIPAA which guarantees privacy of ALL medical data. Such data can ONLY be sent over an encrypted link, which is, of course, illegal in the ham bands.

>> I'm not against microwave itself. I've played with it in the past and
>> enjoyed it. But I do not see a realistic use for it which cannot be
>> covered more efficiently by existing equipment on other bands.
>
> Frankly, you may be right: microwave links are another layer of
> complexity and maintenance. They can, however, also be another
> layer of *capability*, and in the process of setting them up,
> using them, and maintaining them, hams will acquire the skills,
> knowledge, and experience that equips them for other challenges
> in the commercial world, as well as during deployments.
>

I just don't see a great advantage to using it, and a lot of disadvantages.

> Ham radio is in transition from the old system, which was,
> AFAICT, one where we were a reserve corps of CW ops for
> the military, to a new way of doing things that has yet
> to be determined. *Anyone* can use a handi-talkie, and
> they are now cheap enough that even local governments can
> afford to equip all their employees with a separate unit.
> If we hams limit ourselves to being just-another-body-with-a-radio,
> then we condemn ourselves to marginal effectiveness at the same
> time.
>

I don't know about before, but in the 45 years I've been a ham, it was never a reserve corp of CW ops for the military. It was a hobby where people could experiment and innovate.

But any knowledgeable emergency management director knows hams are more than just-another-body-with-a-radio. Sure, they can equip everyone with a radio. But their frequencies are set up for normal operation; in an emergency these frequencies rapidly become overcrowded. This is where hams come in - providing backup communications, mostly for tactical operations, freeing the main frequencies for emergency traffic.

> In short, I understand your position: simpler is usually
> better. But, as Heinlein pointed out, TANSTAAFL: I'd rather
> plan for a future where hams offer capabilities that
> municipal-band HT's can't: high speed data and video transfer
> from local EOC's to central command points, and maybe even from
> mobile units as well. It doesn't cost us anything to think
> about it, know what I mean?
>
> 73,
>
> Bill, W1AC
>

It's a good idea, Bill, but I don't think it's practical (or necessary).

--
==========
Remove the "x" from my email address
Jerry Stuckle
JDS Computer Training Corp.
jstucklex@attglobal.net
==========

31. rec.radio.amateur.moderated Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-15 07:00:04 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/guidelines-1-1358233201@panix.com>
Source record: 141
Cross-posted to: rec.radio.amateur.moderated,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/guidelines
Revision: 1.14 2011/12/31 20:05:40
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

Welcome to rec.radio.amateur.moderated! This is a moderated newsgroup
for amateur radio operators and other people having an interest in the
Amateur Radio Service, as defined by national regulations and
international treaties. Following are the posting guidelines for this
newsgroup.

This message includes the following sections:

1. Topics and posting policies from the rec.radio.amateur.moderated Charter
2. Additional posting guidelines
2.1 Netiquette guidelines
2.2 Posting form requirements
2.3 Guidelines on signature (.sig) files
2.4 Guidelines on excessive quoting
2.5 Guidelines on pointers to outside sources
2.6 Guidelines regarding questioning someone's suitability to hold
an amateur radio license
2.7 Guidelines regarding name-calling
2.8 Guidelines regarding civility
2.9 Guidelines regarding anonymity and pseudonyms |
2.10 Other unacceptable topics |

------------------------------------------------------------------------

1. Topics and posting policies from the rec.radio.amateur.moderated Charter

rec.radio.amateur.moderated is an inclusive on-line community of amateur
radio operators and other people having an interest in the Amateur Radio
Service. Participants are invited to engage in open discussion of
amateur radio issues and exchange information about participating in the
hobby/service, in an atmosphere of civility, friendship, and fun.

Acceptable topics include but, are not necessarily limited to, questions
and discussions about amateur radio licensing, regulations, tips on
various aspects of setting up an amateur radio station, and sharing
operating experiences and insights.
```

Unacceptable posts include, but are not limited to, buy/sell/trade posts, posts that are off-topic to the Amateur Radio Service, posts promoting or defending unlawful activities, etc.

Frequently-Asked-Questions lists and other information/bulletin/ announcement postings may be crossposted to rec.radio.info, rec.answers, and news.answers only with prior approval of the moderators of those newsgroups. In all such cases, an appropriate "Followup-To" header, containing only rec.radio.amateur.moderated, will be added by the moderators if one is not already provided.

After a 30-day public discussion and feedback period to gauge reader opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35f23326

the rec.radio.amateur.moderated Moderation Team had decided to consider amending its charter, and permit limited simultaneous crossposting to rec.radio.amateur.moderated and one other unmoderated amateur-radio-related discussion newsgroup. After a successful trial period (90 days, through early July 2009), we decided to adopt this change permanently.

Approved rec.radio.amateur.* newsgroups are those that are currently listed in the latest version of the "List of Big Eight Newsgroups" which is crossposted monthly to news.announce.newgroups, news.groups, and news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those that have been created consistent with the suggestions in "So You Want to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either "radio.amateur" or "ham-radio" in their names, including uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved newsgroups up-to-date. In case we have overlooked any, and a submission is rejected in error as a result, the rejected submitter can E-mail us at our administrative contact address (in the signature at the bottom of this article, and the default Reply-To for the rejection message) requesting that it be added, and that the article be approved. We may still choose to reject articles crossposted to any alt.* newsgroup with an inappropriate name, including obscene language, embedded name-calling, or encouragement of unlawful conduct.

Posters are encouraged to state their own views and share their experiences, but to refrain from making assumptions about the motivations of other newsgroup participants. Posters are expected to maintain a basic tone of civility. Prohibited uncivil discourse includes, but is not limited to, name calling.

Posts containing unsolicited advice questioning the right, worthiness, suitability and/or readiness of any individual (or members of any group) to be an amateur radio operator are unacceptable in this newsgroup. If an individual chooses to post asking for advice on when or whether to obtain an amateur radio license, or to participate in any type of lawful activity in the Amateur Radio Service, respondents should be careful to address their comments only to the original poster and not explicitly generalize to others in similar situations.

Similarly, posts that arbitrarily declare certain classes of amateur radio licenses, or certain members of national amateur radio societies (e.g., American Radio Relay League, Radio Amateurs of Canada, Radio Society of Great Britain, Wireless Institute of Australia, etc.), to be more or less worthy than others, are not permitted. Posts that politely encourage individuals to join their local amateur radio society, or to upgrade to higher classes of amateur radio license in order to enjoy greater operating privileges, are permitted, however. Posts that contain reasoned, civil, and fact-based discussion of the activities and internal politics of national amateur radio societies are also permitted.

Buy/Sell/Trade and Commercial Policy:

Posts containing offers to buy, sell, or trade are not permitted on rec.radio.amateur.moderated. The rec.radio.swap newsgroup was created for this purpose, and should be used instead. All such articles will be rejected by the moderators with the advice to re-post to that newsgroup.

This policy also prohibits links to, and discussions of, specific auctions. Posts on the subject of how ham operators can help newcomers to find good deals, or about the need to visit flea markets and look around locally before turning to auction sites, are acceptable, but not complaints about a single auction or auction site.

Postings that are entirely advertisements or other public relations campaigns will not be permitted. Relatively unbiased announcements or reviews of new amateur radio-related products or services may be permitted at the discretion of the moderators. Such posters are asked to disclose their financial or professional interest, if any, in such products or services.

Mentions of small amounts of free items, including both parts and equipment, for giveaway will be permitted on an occasional basis from casual, non-commercial owners, and at the discretion of the moderators. The items should be free except for reasonable direct costs such as shipping, must be directly amateur-radio-related, must be in serviceable condition, and be practical to ship to a distant recipient. This is intended as a common-sense exception to our ban on forsale postings, provided that it doesn't overwhelm the basic character of our discussion newsgroup with classified ads or requests to haul off scrap or junk in salvage condition.

---

2. Additional Posting Guidelines

2.1 Netiquette guidelines

Participants who are new to Usenet should familiarize themselves with the "netiquette" of Usenet as well as the particular posting guidelines for this group. Several useful posts for "newbies" can be found on the newsgroup news.announce.newusers or on the WWW at:

http://www.faqs.org/faqs/by-newsgroup/news/news.announce.newusers.html

Particularly helpful articles are:
Welcome to Usenet!
Rules for posting to Usenet
Hints on writing style for Usenet
A Primer on How to Work With the Usenet Community
Emily Postnews Answers Your Questions on Netiquette
Answers to Frequently Asked Questions about Usenet

Because rec.radio.amateur.moderated is a Usenet newsgroup, there are implied or derived guidelines for participation that are drawn from the above articles about overall Usenet culture and tradition. Two of these implied or derived guidelines are encapsulated in two basic rules that our moderation team uses to initially determine whether an article is appropriate for our newsgroup. They are restated explicitly here for clarification:

Basic Rule #1: The article must be on-topic for amateur radio. A rule-of-thumb that our moderation team applies is whether the article mentions amateur radio, ham radio, some synonym for amateur or ham radio, some technique or practice of amateur or ham radio including closely related technical topics such as antennas or portable power, or regulatory politics that directly affect amateur radio. This rule-of-thumb is also applied to determine if an article in a thread has drifted too far off-topic. For example, articles that have drifted into general rants or monologues will probably be returned with a polite request to rewrite to include a reasonable amateur radio connection or angle.

Basic Rule #2: The article must not have excessive spelling, grammar, or logical argument errors affecting readability and understandability. The moderation team understands that clear, understandable, technical or expository writing is a skill that can only be perfected through a lifetime of focused training and practice. Because the moderation team does not want to hold submitters to a standard higher than what it can achieve itself, nor disrupt the newsgroup and discourage submitters by playing spelling or grammar police, it will only return for rewrite any article that cannot be reasonably understood by multiple moderators.

If it is necessary to return any article for a rewrite because the moderators have determined that it does not meet Basic Rule #1 or #2, please accept this constructive feedback in the manner in which it is intended. The moderation team offers its assistance to help rewrite any submitted article into a form that preserves its original intent and

meaning, but is also on-topic, as well as readable and understandable by others.

2.2 Posting form requirements

Any article that falls into any of the following categories will be automatically rejected:

A) Articles that contain original text of more than 75 characters per line
B) Crossposted articles to newsgroups not included in these Guidelines
C) Articles that contain more than 400 lines
D) Encoded binary files (except PGP and other short digital signatures)
E) Attachments to posts
F) Articles containing obscene language
G) Articles from individuals who have been suspended or banned from the newsgroup

2.3 Guidelines on signature (.sig) files

Many people close each article they write with a few lines of common text. This may be a cute quip or quote, or may include information about their family, contact information, or disclaimers required by their employer, for example.

Signature files used on rec.radio.amateur.moderated posting must be no longer than 8 lines.

The content of a poster's signature need not be relevant to amateur radio, but it must not violate any of the other posting guidelines. (For example, name-calling that would not be acceptable in the body of a message is also unacceptable in a signature.) Posters may include Uniform Resource Locators (URL's) and business addresses in signature files, provided they comply with all the other guidelines regarding signatures.

2.4 Guidelines on excessive quoting

Posts more than 20 lines long that also have more than 75% quoted text will be carefully reviewed by a moderator to determine if that degree of quoting is warranted. Posts with excessive quoted text may be rejected.

Posters must show a reasonable effort to trim the post they are replying to and to include just enough material to establish context. "Me too!" posts are discouraged, and, when posted, must edit the quoted material significantly.

2.5 Guidelines on pointers to outside sources

Unsolicited announcements and pointers to web sites that are strictly advertisements or other public relations campaigns are not permitted. However, a pointer to a website or other external source of information

is permitted and encouraged in cases where it is relevant to an existing thread, with appropriate context being given in the post. A URL with no information about what a user should expect to find there will be rejected. A pointer to information that is off-charter for rec.radio.amateur.moderated will be rejected, as will a pointer which itself does not meet the rec.radio.amateur.moderated guidelines (such as a URL containing embedded name-calling).

Moderators are not responsible for verifying the contents of any external information source.

2.6 Guidelines regarding questioning someone's suitability hold an amateur radio license

Identifiable groups and individuals may not be asked/told/etc. not to obtain an amateur radio license, or to only obtain certain classes of amateur radio license. It is not permissible to make statements that a person or members of a specific group "should" not, or should not be allowed to, become an amateur radio operator.

Solicited advice of this type is permissible; however, posters must be careful not to explicitly generalize to others who are in some way "like" the poster asking the question. Stick to the individual asking for advice.

It is acceptable to discuss verified violations, documented in criminal convictions or other government enforcement actions, by a person or members of a specific group.

2.7 Guidelines regarding name-calling

Nastiness addressed at a person is considered name-calling. Criticizing a person's *actions* is not, provided that it is done in a civil manner.

Attacks on an action which by their very nature include an accusation against the person's character are not acceptable. For example, "That's a lie" implies an intentional prevarication, and is considered name-calling. Acceptable ways of questioning the truth of a poster's statement include the more tactful "I don't think that's true," "I believe you are mistaken because..." or even simply "That's not true." "That's not true and you know it" crosses back over into name-calling, however.

2.8 Guidelines regarding civility

By charter, posters are expected to maintain a civil tone in all their postings. The guidelines on name-calling cover part of that requirement, but not all of it.

In general, posters are expected to consider the reputations of other participants, and refrain from making unnecessary accusations or assumptions about the motivations of others. A good rule of thumb is to phrase your comments as your opinion -- "I think..." "It seems to me that..." "This makes me wonder whether..." etc...

Posters are expected to make factual claims, to debate topics openly and in good faith, and to accept honest criticism, all without provocation or prevarication. At least one professional organization, the Institute of Electrical and Electronics Engineers (IEEE), has recognized that such fair dealings are necessary components of ethical conduct, and has incorporated them into its Code of Ethics:

http://www.ieee.org/about/corporate/governance/p7-8.html

Though the Amateur Radio Service is not a professional endeavor, the moderators strongly feel that the IEEE Code of Ethics is also a worthwhile set of guiding principles for participants in the rec.radio.amateur.moderated newsgroup.

Posters are not required to support the American Radio Relay League (ARRL). However, they are expected to adhere to the spirit of the other parts of the ARRL's "Amateur's Code":

http://web.archive.org/web/20100131043828/http://www.arrl.org/acode.html

2.9 Guidelines regarding anonymity and pseudonyms |

Contributors to rec.radio.amateur.moderated are encouraged to use their | real names and/or amateur radio callsigns. This not only creates a | greater sense of community in the newsgroup, it also lends credibility | to posters' opinions. However, as a pragmatic concession to the | realities of the present-day Internet, and consistent with the practices | of other moderated newsgroups, pseudonyms and unroutable E-mail address | are permitted with some restrictions. |

We ask that the From: lines of submitted articles not misrepresent your | identity, not be changed often, and not match a user or domain name | other than your own (spoofing). Please also realize that if you use an | unroutable E-mail address, you will not be able to receive | acknowledgment or rejection messages for your submitted articles. |

2.10 Other unacceptable topics |

Participants are reminded that the charter also prohibits posts promoting or defending unlawful operating practices.

Posts may discuss whether operating practices are unlawful, or engage in reasoned debate over why certain operating practices should or should not be unlawful. Posts may discuss enforcement actions, such as by the Federal Communications Commission in the United States or similar government agencies in other countries, and evidence gathered by parties such as Official Observers in support of complaints about unlawful operation.

Discussions of what practices constitute unlawful operation in the Amateur Radio Service should be limited to *factual* descriptions of the laws in various jurisdictions. Posters' *opinions* as to what practices they consider unlawful are not permitted. In particular, posters are cautioned not to extrapolate their country's laws and regulations to those in other parts of the world, as they may be quite different.

Posts that entirely concern themselves with other radio services or hobbies, such as Citizen's Band, General Mobile Radio Service/Family Radio Service, and Scanner or Shortwave Listening, are considered off-topic to the rec.radio.amateur.moderated newsgroup. Newsgroups such as rec.radio.cb, rec.radio.scanner, and/or rec.radio.shortwave may be more appropriate venues for such posts.

Posts that attempt to publicly criticize moderators or moderation decisions in the newsgroup itself are also not permitted, as stated in our original newsgroup charter. Please direct any such critical feedback to our administrative contact address at the bottom of this article, where it will be carefully considered by an appeals team of moderators. This team is distinct from the initial team of moderators that approves or disapproves article submissions, and thus can provide independent oversight of moderation decisions.

Similarly, if you see an obviously inappropriate article in our newsgroup, please assume that it was a mistake or a direct forgery. The moderation team makes every effort to protect the newsgroup from such incidents, but they do happen, albeit rarely. You may also submit feedback to the same address regarding such articles in our newsgroup, but it is likely that our monitoring software and procedures have already detected it, and we are actively handling the problem. Please resist "piling on" with followups to the newsgroup when these incidents occur, so that we don't have to reject such articles.

Due to Usenet newsgroup access being eliminated at many ISP's, including MSN, AOL, RoadRunner, Time Warner, Verizon, Comcast, and Cox, we receive many article submissions asking about free or low-cost alternatives for accessing Usenet newsgroups such as ours. We initially permitted this topic in light of the significant impact to many of our readers due to this loss of access through their ISP's. However, this subject is arguably off-topic for our newsgroup, is better answered by other sources, and better discussed in other venues. Because of this, we will no longer approve submissions that request or suggest where to obtain access to Usenet newsgroups. For more information about this topic, please consult the following:

- The last approved thread of discussion about this topic on our newsgroup from October 2008:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/19770b88ec527aff/8dcee92de293f615?hl=en#8dcee92de293f615

- A list of News Service Providers maintained by the Big-8 Management Board:

http://www.big-8.org/wiki/News_Service_Providers |

- A list of Public News Servers at the Open Directory Project:

http://www.dmoz.org/Computers/Usenet/Public_News_Servers/

- An article with links and reader suggestions at Broadband Reports:

http://www.broadbandreports.com/shownews/96318

- Google Groups:

http://groups.google.com

The rec.radio.amateur.moderated Moderation Team does not endorse or recommend any particular News Service Provider (NSP). We encourage our readers to choose the free or subscription service that best meets their own personal needs based on their own evaluation of the available alternatives.

Please direct any comments, questions, or criticisms about this article to rec-radio-amateur-moderated-request@panix.com.

(Adapted, with permission, from the misc.kids.moderated Posting Guidelines.)

32. Fwd: Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-15 13:59:57 UTC
From: Dave Heil <k8mn@frontiernet.net>
Message-ID: <50F551DC.5090206@frontiernet.net>
Source record: 142

-------- Original Message --------
>Subject: Re: ARRL drops the other shoe on print version of QST
>Date: Sun, 13 Jan 2013 21:16:10 +0000
>From: Dave Heil <k8mn@frontiernet.net>
>Newsgroups: rec.radio.amateur.moderated
References: <kcs6t1cpd1@dont-email.me> <kcusb2$h7i$1@dont-email.me>

On 1/13/2013 17 53, Howard Lester wrote:

> Holding down the left button of my mouse, I can move the page around as
> necessary. Is that ideal? Heck no. But it works, and it seems to be the
> simplest way. Still, I *much* prefer the printed magazine regardless how
> well QST [ever] presents their digital version.
>
> Howard N7SO

I tried a year of CQ's digital edition. I didn't care for the need of
the special Zinio reader. I dropped it like a hot potato when it
expired and went back to my printed edition. I'm never opting out of
the printed QST. Got 'em all back to 1919.

73,

Dave Heil K8MN
near but not in Cameron, WV

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2890 / Virus Database: 2638/6032 - Release Date: 01/14/13

33. February 2013 QST - Digital Edition

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-15 16:17:49 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130115140535.3ED6226CB77@bmail.arrl.org>
Source record: 143
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

*February 2013 QST - Digital Edition - *Go Now>
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Digital QST

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Every issue of /QST/ is filled with the news and features you need to
keep active in Amateur Radio. Enjoy this issue!

73,

Steve Ford, WB8IMY
Editor
---
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*The digital edition of /QST/ is an electronic form of the journal. All

ARRL members have access to the digital edition of /QST/...a way to read and interact with the current issue of /QST/ anytime, anywhere. Each issue includes unique, digital-edition-only content such as video, audio features and extra content. Members can also access the digital archive for access to previous issues.

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Digital QST

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www.arrl.org <http://www.arrl.org>

34. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-15 17:18:02 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kd4301$2th$1@dont-email.me>
Source record: 144

On 1/14/2013 2:53 PM, Phil Kane wrote:
> ... - my "day job" is in designing Public
> Safety communication systems for our client agencies' needs.
>
>> From a technical standpoint there is nothing that can be done with a
> ham-band radio that can't be done with a public safety radio - all it
> takes is "doing it", sometimes with the same peripherals. Many if not
> most of our client agencies' comm shop supervisors are hams nowadays
> anyhow.

Phil,

Please fill in some gaps in my knowledge:

1. Can P25 radios be programmed to work on two meters?
2. What data transfer rates are available from current P25-type HT's?
3. What skills do Hams need to have to best equip us for service
under the Incident Response System?

Thanks for your help.

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

35. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-16 01:40:52 UTC
From: David Ryeburn <david_ryeburn@telus.netz>
Message-ID: <david_ryeburn-9F7066.17221215012013@news.eternal-september.org>
Source record: 145

In article <sfg7f8dn9ee2rpj3hi1mpp1dqaer778cek@4ax.com>,
Dick Grady AC7EL <richard@richbonnie.com> wrote:

> My only experience with reading a magazine electronically was a few
> years ago when World Radio stopped paper publication, CQ bought it,
> and published a PDF version on their web page (free for a while, they
> charge for it now).
>
> I downloaded a couple of the free issues. The problem I had was that
> I don't have contiguous blocks of time to read an entire issue at
> once. And there was no way to bookmark in the PDF file where I left
> off.

I don't have the PDF files you write about, but if they are standard PDF files and if you use Adobe Reader, at least on a Mac when you re-open a PDF file if you have made the right Preference choices for Adobe Reader the file will open to the very same page you were looking at when you closed the file. Perhaps Windows machines behave differently.

In Adobe Reader Preferences, select the "Documents" category and click the "Restore last view settings when reopening documents" choice. Then the same page will show up that you were looking at when you closed a PDF document. You just have to make this preference choice once, and then it will hold for all PDF documents you look at in the future.

I've been using PDF files and Adobe Reader ever since they first became available, and in particular during the past ten years or so while doing pre-publication accuracy checking for John Wiley, Inc. of mathematics textbook files written by others. That's ever since Wiley realized that it would be easier for me to download a PDF file than for them to ship 100 pages of paper or so per chapter by UPS from New Jersey to southwestern Canada, and for me to ship marked pages back to them. (I had to laugh when they e-mailed me and asked "Do you know what a PDF file is, and can you open them?" I had been using them for years and years before that.) The ability to go back to the same point in a manuscript where I left off reading the night before has been essential. And being able to search for a word or two rather than to scan visually through 100 paper pages until I found it has been essential also. But the 27 inch screen in front of me does help.

As to ancient eyes and ease of reading, my 77+ year old eyes manage pretty well. The 27 inch screen does help! But when away from home I make do with a 13 inch screen on our laptop, and it's OK. With Adobe Reader you can choose whatever magnification ratio you want.

One strong suggestion: If you use Adobe Reader, disable JavaScript for it, again in the Preferences. (There is a "Javascript" item in the Preference Categories list.) Frequently Adobe's implementation of Javascript has opened up entry points for malware. They'll find this out, cure it with an upgrade to Adobe Reader, and then a new entry way will be found by the bad guys. I just permanently disable Javascript in my copy of Adobe Reader.

David, ex-W8EZE

--
David Ryeburn
david_ryeburn@telus.netz
To send e-mail, change "netz" to "net"

36. Re: Fwd: Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-16 18:07:38 UTC
From: Red Blade <penachew@yomomma.hot.invalid>
Message-ID: <kd59g9utc3@dont-email.me>
Source record: 146

On Tue, 15 Jan 2013 08:59:57 -0500, Dave Heil wrote:

>
> I tried a year of CQ's digital edition. I didn't care for the need of
> the special Zinio reader. I dropped it like a hot potato when it
> expired and went back to my printed edition.
>

Was it true what I heard about Zinio, that the magazine ads are popup ads
you have to click on to go away? (I subscribe to print versions of CQ and
PopComm.)

--

Red Blade

President of alt.politics, alt.fan.rush-limbaugh, & talk.politics.misc
Fanfiction Committee Chairman of alt.tv.beavis-n-butthead

http://www.libertycolumns.com/

37. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-16 18:08:02 UTC
From: Dick Grady AC7EL <richard@richbonnie.com>
Message-ID: <grpdf8dpmtcu4bcjtp1dp6j4kucn3rd05o@4ax.com>
Source record: 147

On Tue, 15 Jan 2013 20:40:52 EST, David Ryeburn
<david_ryeburn@telus.netz> wrote:

>I don't have the PDF files you write about, but if they are standard PDF
>files and if you use Adobe Reader, at least on a Mac when you re-open a
>PDF file if you have made the right Preference choices for Adobe Reader
>the file will open to the very same page you were looking at when you
>closed the file. Perhaps Windows machines behave differently.
>
>In Adobe Reader Preferences, select the "Documents" category and click
>the "Restore last view settings when reopening documents" choice. Then
>the same page will show up that you were looking at when you closed a
>PDF document. You just have to make this preference choice once, and
>then it will hold for all PDF documents you look at in the future.

This setting is in the Windows version, also. It was unchecked.
Once I checked it, PDF files open again where I left off.
Thanks for the tip!

>One strong suggestion: If you use Adobe Reader, disable JavaScript for
>it, again in the Preferences. (There is a "Javascript" item in the
>Preference Categories list.) Frequently Adobe's implementation of
>Javascript has opened up entry points for malware. They'll find this
>out, cure it with an upgrade to Adobe Reader, and then a new entry way
>will be found by the bad guys. I just permanently disable Javascript in
>my copy of Adobe Reader.

Good idea. Done.

Dick Grady, AC7EL

38. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-16 22:22:25 UTC
From: Jeff Davis <ke9v@sdf.org>
Message-ID: <slrn3vfskfe4ea.fgt.ke9v@sverige.freeshell.org>
Source record: 148

On 2013-01-13, Red Blade <penachew@yomomma.hot.invalid> wrote:
>
> The only way I will subscribe to a "digital magazine" is if it's a DRM-
> free PDF file (like K9YA is).

Never, ever gonna happen. It's fairly crappy looking because of the DRM
wrapper that it comes in. But if they simply made it a PDF or HTML what
would keep you from sending it to 100,000 of your buddies?

No reason to buy the cow when the milk is free...

--
Jeff, KE9V

39. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-16 23:17:54 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <08cef81q38br4bltokl1a3jb04jh3djl30@4ax.com>
Source record: 149

On Tue, 15 Jan 2013 12:18:02 EST, Bill Horne <bill@horneQRM.net>
wrote:

>1. Can P25 radios be programmed to work on two meters?

There are several 2-meter P-25 nets around so it's certainly possible.
It really depends on the radios. Kenwoods and Icoms, certainly.
Motorolas - maybe depending on model.

>2. What data transfer rates are available from current P25-type HT's?

9600 is the number usually used (per our P-25 specialist).

>3. What skills do Hams need to have to best equip us for service
> under the Incident Response System?

There are several training and certification courses that FEMA and
other agencies have for participants in the Incident Command System
and National Incident Management System. They don't deal with radio
directly but give a good basic grounding in Incident Management.

In the ICS/NIMS, Communication operations are under the control of a
Communications Leader (COM-L) who may be a ham but has been certified
to manage communication systems as needed and reports to the Liaison
Officer. There is a Radio Operator specialty (RADO) that deals with
operating radios and a Comm Tech specialty (COM-T) that deals with
setting up and repairing the equipment. More information on these
specialties and certification therefor can be obtained from the FEMA
ICS site.

Proper EmComm operation should never depend on the individual ham
operator bringing his/her own equipment to the party.

Hope that helps somewhat.

73 de K2ASP - Phil Kane

Member, Washington County, OR
Emergency Communications Team
for ARES/RACES and HEARTNET

Station Co-manager - W7PSV / K7PSV
Providence St. Vincent Medical Center
Disaster Communication Team

40. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-17 00:43:21 UTC
From: dplatt@radagast.org
Message-ID: <kttjs9-4sa.ln1@radagast.org>
Source record: 150

In article <08cef81q38br4bltokl1a3jb04jh3djl30@4ax.com>,
Phil Kane <k2asp@arrl.net> wrote:

>>3. What skills do Hams need to have to best equip us for service
>> under the Incident Response System?
>
>There are several training and certification courses that FEMA and
>other agencies have for participants in the Incident Command System
>and National Incident Management System. They don't deal with radio
>directly but give a good basic grounding in Incident Management.
>
>In the ICS/NIMS, Communication operations are under the control of a
>Communications Leader (COM-L) who may be a ham but has been certified
>to manage communication systems as needed and reports to the Liaison
>Officer. There is a Radio Operator specialty (RADO) that deals with
>operating radios and a Comm Tech specialty (COM-T) that deals with
>setting up and repairing the equipment. More information on these
>specialties and certification therefor can be obtained from the FEMA
>ICS site.

I agree, the FEMA training is very good to have. In our area, all of
the hams who sign up with the city or county as emergency
communicators are required to undergo ICS training. Taking the FEMA
on-line training courses is required for any ham who wants to qualify
as a Mutual Aid Communicator (one sufficiently skilled and trained to
be formally assigned for service outside of his city).

>Proper EmComm operation should never depend on the individual ham
>operator bringing his/her own equipment to the party.

Well, I agree and I disagree.

I agree that any EmComm-trained ham ought to be able to use
pre-installed or otherwise-supplied equipment when necessary, and I
agree that it's a good idea for cities, etc. to acquire such equipment
and have it preinstalled at appropriate locations. At the very least,
having suitable antennas and feedlines installed at (e.g.) shelters is
an excellent idea.

I also agree that the collection of equipment that J. Random Ham might
show up with, as a spontaneous volunteer, is likely to have some very
sigificant shortfalls and that you ought not to depend on it.

I disagree, though, to the extent that I think that having a good
group of ham operators, who have been trained and who have prepared
their own field equipment *in advance* to be ready for mobilization

and use, is a very good thing indeed.

One of the big reasons for having hams available (with equipment) is the "When everything else fails" situation... when (e.g.) a city's EOC is knocked out by flooding or power failure. And, in today's era of tight government budgets, it simply isn't realistic to expect local governments to supply all of the equipment needed for their own emergency responders, *and* a bunch of spare or alternate equipment for a bunch of hams who will only be there during an incident once every year or three. When money gets tight, you *know* which of these categories gets cut first.

On both the training and equipment issues: Bill, I'd like to suggest that you review the information at

http://www.scc-ares-races.org/mac/index.html

The county in which I live has developed an extensive program for training, qualifying, rating, and exercising hams for EmComm service. There are specific categories in which an operator can qualify and receive a certificate... multiple levels of "Field operator", "Net control", "Packet operator" and "Shadow communicator". Most of these include specific skills training, testing, and standards for the operator's field-ready equipment and supplies (e.g. our "county-standard 12-hour Go-kit" list).

We don't insist that a ham volunteer go through the MAC training, and we don't require MACs to continue on and get their various specialty certificates, but we certainly do recommend and encourage it!

--
Dave Platt <dplatt@radagast.org> AE6EO
Friends of Jade Warrior home page: http://www.radagast.org/jade-warrior
I do _not_ wish to receive unsolicited commercial email, and I will
boycott any company which has the gall to send me such ads!

41. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-17 02:18:57 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <nhmef89uvfs0v8uuptsi5ov476cub85rbs@4ax.com>
Source record: 201

On Wed, 16 Jan 2013 19:43:21 EST, dplatt@radagast.org (Dave Platt) wrote:

>One of the big reasons for having hams available (with equipment) is
>the "When everything else fails" situation... when (e.g.) a city's EOC
>is knocked out by flooding or power failure. And, in today's era of
>tight government budgets, it simply isn't realistic to expect local
>governments to supply all of the equipment needed for their own
>emergency responders, *and* a bunch of spare or alternate equipment
>for a bunch of hams who will only be there during an incident once
>every year or three.

"Up here" it is common for agencies to have one or more stashes of "grab and go" ham gear -- dual-band radios, power supplies of various types, antennas, cables, etc. City of Portland stashes one of these packages at every fire station, and our county does the same at each county served agency. All radios are loaded with the same "menu" and there is a defined frequency plan for the region. In addition, each county in the UASI region has one or more "grab and go" packages, again pre-loaded. These all are used for training and exercises on a regular basis.

>When money gets tight, you *know* which of these
>categories gets cut first.

Contrary to popular rumor, there still is grant money available - one just as to know where and how to get it.

After the 2007 coastal storms, the Governor's office got the Oregon EMA to dig into their pocket and spent $250,000 to equip each county EOC with HF voice and Pactor III gear to enable contact with the state HQ. This is exercised monthly. We also have a regional digital net weekly and a District voice net daily.

Oregon EMA requires at a minimum ICS-100/200/700 for each holder of the ARES/RACES credential as a volunteer radio operator and the state ARES/RACES standard requires hands-on training with installed gear and participation in one (or more) exercises or incidents per year to remain qualified. Many of us have equipped our home and mobile stations with transceivers loaded with the same frequency plan so we are familiar with what "go to channel 23" means.

Other jurisdictions may/will do their own thing their own way.

73 de K2ASP - Phil Kane

Member, Washington County, OR
Emergency Communications Team
for ARES/RACES and HEARTNET

Station Co-manager - W7PSV / K7PSV
Providence St. Vincent Medical Center
Disaster Communication Team

42. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-17 18:34:40 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kd9cimcoa1@dont-email.me>
Source record: 202

On 1/16/2013 5:22 PM, Jeff Davis wrote:
> On 2013-01-13, Red Blade<penachew@yomomma.hot.invalid> wrote:
>>
>> The only way I will subscribe to a "digital magazine" is if it's a DRM-
>> free PDF file (like K9YA is).
>
> Never, ever gonna happen. It's fairly crappy looking because of the DRM
> wrapper that it comes in. But if they simply made it a PDF or HTML what
> would keep you from sending it to 100,000 of your buddies?

No offense, OM, but I think we're getting off track here: I don't think DRM is the cause of the online edition of QST looking less-than-ideal.

I don't care what DRM the ARRL chooses: the issue for me is that the online edition is just a page-by-page image of the printed version, and I don't feel that this is a viable way to make QST available online.

73,

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

43. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-17 19:41:59 UTC
From: Jeff Davis <ke9v@sdf.org>
Message-ID: <slrn3vfskfgkvg.8jd.ke9v@sverige.freeshell.org>
Source record: 203

```
On 2013-01-17, Bill Horne <bill@horneQRM.net> wrote:
>
> No offense, OM, but I think we're getting off track here: I don't think
> DRM is the cause of the online edition of QST looking less-than-ideal.

Sorry, but not off track. I was responding to another post. Check the
thread a little closer.

--
Jeff, KE9V
```

44. How much of QST's content is now ephemeral?

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-17 20:02:09 UTC
From: Bert <bert@iphouse.com>
Message-ID: <XnsA14BCB0777D37VeebleFetzer@88.198.244.100>
Source record: 204

The recent discussion of the "online" version of QST had me thinking of this.

Articles in QST used to be pretty much complete and self-contained.

Construction articles had complete schematics and parts lists, even PC board layouts when needed. Technical articles might have some footnotes and references, but they were to real books that you could buy or find at a decent library.

Now, much of the meat of many articles is contained in random Web sites, many not managed by ARRL, with no guarantee that any of it will be findable after even a year or two.

--
Bert Hyman W0RSB St. Paul, MN bert@iphouse.com

45. The ARRL Letter for January 17, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-17 23:45:58 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130117211526.D83EA26CB54@bmail.arrl.org>
Source record: 205
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**************************************
The ARRL Letter

Published by the American Radio Relay League
**************************************

January 17, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + 2012 Marks All-Time High for Amateur Radio Licenses
- + On the Air: 2012 Brought Increase in DXCC Applications, ARRL QSL
Bureau Card Processing
- + ARRL Board of Directors: 2013 Annual Meeting Set for January 18-19
in New Orleans, Agenda Announced
- + Check Out the February Issue of QST
- + Dayton Hamvention®: Hamvention Awards Nomination Deadline Extended
to February 15
- Solar Update
- + Silent Key: #1 Mixed DXCC John Dack, W7KH (SK)
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + 2012 MARKS ALL-TIME HIGH FOR AMATEUR RADIO LICENSES

As 2012 came to a close, ARRL VEC Manager Maria Somma, AB1FM, had a
good reason to cheer: The number of radio amateurs in the US reached an
all-time high of almost 710,000. "2012 was definitely a banner year for
the number of Amateur Radio operators here in the US," she said. "It is
amazing to see these new numbers and to know that Amateur Radio is
experiencing such a healthy trend."

In looking at new and upgraded licenses, as well as licensees per
ARRL Division, Somma also crunched the numbers looking for growth
within each license class -- and all of Amateur Radio -- over the last
40 years. "This is an all-time high for Technician, General and Amateur
Extra class licensees," she said. "When looking at the three current
license classes, the number of Technicians, Generals and Amateur Extras
peaked in December at 345,369, 163,370 and 130,736, respectively."
```

Somma explained that the total number of US amateurs in the FCC database also continues to grow each year: "As of December 31, 2012, the number of licensees reached an all-time high of 709,575; year-end totals were 702,056 for 2011 and 696,041 for 2010. The number of licensees increased at an average rate of 21 per day, while the number of US licensees has increased by 7 percent since 2008!" More than 3000 new licenses were issued in 2012 than in 2011, while upgraded license activity remained steady in 2012. Read more here <http://www.arrl.org/news/2012-marks-all-time-high-for-amateur-radio-licenses>.

==> + ON THE AIR: 2012 BROUGHT INCREASE IN DXCC APPLICATIONS, ARRL QSL BUREAU CARD PROCESSING

With the coming of more sunspots comes more DX. And when more amateurs work DX, the ARRL's Membership and Volunteer Programs Department -- especially the DXCC Desk and the ARRL Incoming and Outgoing QSL Bureaus -- goes into high gear. "In 2012, we saw an increase in the number of cards received from ARRL members that were sent to foreign QSL bureaus, as well as the number of cards we sent out to the bureaus," said Membership and Volunteer Programs Administrative Manager Sharon Taratula. "In addition, the number of DXCC applications -- including those for initial awards and endorsements -- also increased." Read more here <http://www.arrl.org/news/2012-brought-increase-in-dxcc-applications-arrl-qsl-bureau-card-processing>.

==> + ARRL BOARD OF DIRECTORS: 2013 ANNUAL MEETING SET FOR JANUARY 18-19 IN NEW ORLEANS, AGENDA ANNOUNCED

ARRL policy is made by its Board of Directors. The 15 voting members of the Board are the Directors who are elected by the ARRL members in their respective divisions. The Board meets in January and July, usually in the Hartford area; however, this year, the meeting will take place in New Orleans, Louisiana. ARRL members also elect Vice Directors who may attend the meetings. ARRL Directors and Vice Directors are volunteers who work hard to represent the ARRL in their Divisions, to represent the members who elect them on policy issues and to conduct the committee work that is so important to good decision-making.

This month's Board Meeting activities will begin on Thursday, January 17 with meetings of two standing committees, the Administration & Finance (A&F) Committee and the Programs & Services Committee. Each is made up of five Directors and a Vice Director, with the treasurer serving as an additional member of the A&F Committee. The Board Meeting itself begins on Friday morning, January 18 and is expected to run through Saturday afternoon. Read more here <http://www.arrl.org/news/2013-annual-meeting-of-the-arrl-board-of-directors-set-for-january-18-19-in-new-orleans-agenda-annou>.

==> + CHECK OUT THE FEBRUARY ISSUE OF QST

The February issue of QST takes a look at how Canada's Dominion Radio Astrophysical Observatory (DRAO) measures and processes the 10.7 centimeter solar flux and why this number is important to hams. As radio amateurs, we are interested in the Sun and how it affects the ionosphere. By gauging the Sun's activity -- primarily in the form of sunspots and solar flux -- hams can predict how the bands will perform and what the maximum useable frequency (MUF) might be, paving the way to good DX on the higher bands. So grab your print edition of QST -- or cozy up to your computer or tablet to read the digital version <http://www.arrl.org/news/digital-edition-of-february-em-qst-em-now-available>
-- and discover all the fun that is Amateur Radio.

In their article "The Penticton Solar Flux Receiver," John White, VA7JW, and DRAO's Dr Ken Tapping delve into the mystery and science of the 10.7 centimeter solar flux, the measurement of the total amount of solar radio emission in a 100 megahertz-wide band that is centered on a frequency of 2800 MHz, or 10.7 centimeters. While the print article is full of information, more is available <http://www.nxtbook.com/nxtbooks/arrl/qst_201302/index.php#/40> in the digital edition of the February issue of QST. While many amateurs know how long to make their wire antennas for each band, they might not know just how high up to place them. QST Technical Editor Joel R. Hallas, W1ZR, tackles this very question in his article "How High Should You Hang that Wire Antenna?"

The aftermath of October's Hurricane Sandy wreaked havoc in New York and New Jersey. This "superstorm" brought together Amateur Radio operators from all over the region who not only volunteered their time and equipment to provide communications support, but also to the humanitarian relief effort. In his article "Disaster on Long Island," Bob Myers, K2TV, tells the story of how one local club reached out to their communities and put their talents to use. The ARRL will celebrate 100 years in 2014 and ARRL Volunteer Historian Mike Marinaro, WN1M, has been busy preserving and conserving the many Amateur Radio artifacts that the League has in its possession. In his article "A Professional Approach to Amateur History," he tells of what he, other volunteers and ARRL staff have been doing to document and display the League's extensive collection.

QST Technical Editor Joel R. Hallas, W1ZR, takes a look at the TEN-TEC Model 418 100 W HF and 6 meter linear amplifier in this month's Product Review. He says this amplifier "can provide a handy 13 dB boost to low power radios if used where enough dc power is available. While the model 418 is designed as a companion to the soon-to-be-released Argonaut IV 5 W transceiver, it can also operate seamlessly with other transceivers of the same power class." ARRL Test Engineer Bob Allison, WB1GCM, checked out the Rigol Technologies DSA815-TG spectrum analyzer, saying that it "is a lightweight, portable spectrum analyzer that is affordable for serious experimenters and self-employed service technicians. It has many uses in the amateur workshop." You can find video overviews of both the TEN-TEC amplifier

<http://www.nxtbook.com/nxtbooks/arrl/qst_201302/index.php#/58> and the Rigol Technologies spectrum analyzer <http://www.nxtbook.com/nxtbooks/arrl/qst_201302/index.php#/62> in the digital edition of the February issue of QST.

Of course, there are the usual columns you know and have come to expect in the February QST: Happenings, Hints & Kinks, The Doctor is In, Short Takes, Vintage Radio, How's DX? and more, including lots of new books and products. Look for your February issue in your mailbox and in your inbox. QST is the official journal of the ARRL, the national association for Amateur Radio. QST is just one of the many benefits of ARRL membership. To join, or to renew your ARRL membership, please see the ARRL web page <https://www.arrl.org/join-arrl-renew-membership/>.

==> + DAYTON HAMVENTION®: HAMVENTION AWARDS NOMINATION DEADLINE EXTENDED TO FEBRUARY 15

There is still time to nominate a radio amateur for the 2013 Dayton Hamvention® Awards: Amateur of the Year, Club of the Year, the Special Achievement Award and the Technical Excellence Award. The deadline for nominations has been extended to Friday, February 15. Anyone may nominate a person or club for these awards, and all Amateur Radio operators are eligible to receive these awards. The winners will be recognized at the 2013 Dayton Hamvention, which runs May 17-19. Read more here <http://www.arrl.org/news/hamvention-awards-nomination-deadline-extended-to-february-15>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity pulled back over the past week, following a stellar performance in the week prior. The average daily sunspot numbers were down 34.3 points to 129, but the average daily solar flux actually rose 9.7 points to 157.4. The current prediction for solar flux is 135 on January 17-18, 130 and 125 on January 19-20, 120 on January 21-23, 130 on January 24-25, 135 on January 26-28, 130 and 135 on January 29-30, 140 on January 31-February 1, 150 on February 2, 155 on February 3-4, and back down to 150 on February 5-11. The predicted planetary A index is 12 on January 17, 8 on January 18-19, 5 on January 20-21, 8 on January 22-23, 5 on January 24-February 4, 8 on February 5, 5 on February 6-8, 8 on February 9-10 and back down to 5 on February 11 through the beginning of March. The most active geomagnetic day this past week was January 13, but only in relation to very, very quiet recent conditions. The mid-latitude A index was 10, while the K index only reached 4 in one 3-hour period. The college A index (from Fairbanks, Alaska) was 11 and 12 on January 13-14, with the K index reaching 4 in two 3-hour periods on February 13, and 5 in one 3-hour period on February 14. Look for more on the ARRL website on Friday, January 18. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + SILENT KEY: #1 MIXED DXCC JOHN DACK, W7KH (SK)

On Monday, January 7, John Dack, W7KH, of Seattle, Washington, passed away. He was 91. An ARRL Life Member, Dack sat at the top of the DXCC mixed standings with 398 entities, including all 340 current entities and 58 deleted entities. He worked every DXCC entity except Damau Diu (CR8), French Indochina (FI8) and Manchuria (C9). South Sudan (ST0) was the last new DX entity in Dack's log; he worked ST0R in August 2011.

Dack was profiled in the September 2011 issue of QST in the "How's DX? <http://p1k.arrl.org/pubs_archive/139266>" column [Editor's note: You must be an ARRL member and logged on to the ARRL website to read this article]. First licensed in 1938 when he was 17, Dack became interested in Amateur Radio due to some neighbors who were hams. "John remembered working Mexico, and this may have been the beginning of his interest in working DX, as he felt 'like he had just worked Tibet,' which he later did," wrote "How's DX?" conductor Bernie McClenny, W3UR. "Despite being [at the time] 90 years old, he still seems to be on top of his game and gets on the air about twice a week. There are no computers at W7KH and John still gets his DX news from the paper version of QRZ DX. All of his logs are still done with paper and pencil."

==> THIS WEEK IN RADIOSPORT

This week:

- January 18 -- NCCC Sprint Ladder
- January 19 -- Feld Hell Sprint; LZ Open Contest
- January 19-20 -- North American QSO Party (SSB); Hungarian DX Contest; YL-ISSB QSO Party (SSB); AWA Linc Cundall Memorial CW Contest
- January 19-21 -- ARRL January VHF Contest <http://www.arrl.org/news/get-in-on-the-winter-fun-with-the-arrl-january-vhf-contest>
- January 21 -- Run for the Bacon QRP Contest
- January 23 -- SKCC Sprint
- January 23-24 -- CWops Mini-CWT Test

Next week:

- January 25 -- NAQCC Straight Key/Bug Sprint; NCCC Sprint Ladder
- January 25-27 -- CQ 160 Meter Contest (CW)
- January 26 -- WAB 1.8 MHz Phone Contest
- January 26-27 -- BARTG RTTY Sprint; REF Contest (CW); UBA DX Contest (SSB); SPAR Winter Field Day
- January 27 -- QRP ARCI Fireside SSB Sprint
- January 27-28 -- Classic Exchange (CW)

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page

<http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- January 18-19 -- ARRL North Texas Section Convention
<http://www.arrl.org/hamfests/north-texas-section-convention-cowtown-hamfest-
1>,
Fort Worth, Texas
- January 19 -- ARRL Southern Florida Section Convention
<http://www.arrl.org/hamfests/southern-florida-section-convention-3>,
Fort Myers, Florida
- January 25-26 -- ARRL Mississippi State Convention
<http://www.arrl.org/hamfests/mississippi-state-convention-capital-city-hamfe
st>,
Jackson, Mississippi
- January 26-27 -- ARRL Puerto Rico State Convention
<http://www.arrl.org/hamfests/puerto-rico-state-convention>, Hatillo,
Puerto Rico
- February 2 -- ARRL South Carolina State Convention
<http://www.arrl.org/hamfests/south-carolina-state-convention-2>, North
Charleston, South Carolina; ARRL Virginia State Convention
<http://www.arrl.org/hamfests/virginia-state-convention-frostfest-1>,
Richmond, Virginia
- February 8-10 -- ARRL Southeastern Division Convention
<http://www.arrl.org/hamfests/southeastern-division-convention-orlando-hamcat
ion-1>,
Orlando, Florida
- February 15-16 -- ARRL Arizona State Convention
<http://www.arrl.org/hamfests/arizona-state-convention-yuma-hamfest-1>,
Yuma, Arizona
- February 16 -- ARRL Arkansas State Convention
<http://www.arrl.org/hamfests/arkansas-state-convention-winterfest>,
Hoxie, Arkansas
- February 23 -- ARRL Vermont State Convention
<http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>,
South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention
<http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfe
st-1>,
Claremore, Oklahoma; ARRL Louisiana Section Convention
<http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annu
al-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention
<http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,
Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-pa
trick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-

hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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<http://www.arrl.org/>

46. Re: Seeking suggestions for starter HF rig.

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-18 05:38:16 UTC
From: Fred McKenzie <fmmck@aol.com>
Message-ID: <fmmck-DCF83D.00284218012013@5ad64b5e.bb.sky.com>
Source record: 206

In article <a3591477-4a6a-4b17-8ca9-fefe8c0eb764@googlegroups.com>,
n3licoslo@gmail.com wrote:

> On Monday, January 14, 2013 2:55:49 PM UTC-5, Phil Kane wrote:
>
> > Or, an Elecraft K2 or K3. Not cheap at all, but as the old proverb
> > goes "Buy cheap, cry every time it needs replacing. Buy expensive, and
> > cry only once".
>
> There are som options out there that aren't too bad, and are relatively ine
> xpensive. The Icom IC-718 is around 700 dollars new, and covers 160 to 10 m
> eters. It doesn't have the 60 meter band, which isn't that big a deal in my
> estimation. It does have the digital interface, which is important to me.
>
> It certainly isn't an Elecraft, but I don't think that it's a bad piece of
> equipment.
>
> Another radio tha I have personal experience is the Kenwood TS480SAT. It is
> a hundred watt HF radio with autotuner, 160 to 6 meter mobile unit, but it
> functions well as a base unit also. They are around 900 dollars. I've talk
> ed a number of people in my neck of the woods into getting them.

I have both the IC-718 and the TS-480SAT. There is no comparison: the
TS-480 is a MUCH better radio. I use an external LDG tuner with the
IC-718, so the total cost was closer to that of the TS-480SAT.

But I hate it! The TS-480 is designed to have the main chassis mounted
remotely from the tiny front panel, and I would prefer to have them
together. To achieve that, I purchased the optional mounting tray that
has a place to mount the front panel. If that were important to you, it
would increase the cost.

As far as Tom's desire for a radio that is simple to operate, I doubt
either radio would qualify. He may be looking for a CB-style or a
military-style HF radio. Such a radio would have a minimum number of
controls and be channelized, so an untrained operator wouldn't screw it
up!

Fred
K4DII

47. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-18 14:06:49 UTC
From: Fred McKenzie <fmmck@aol.com>
Message-ID: <fmmck-0A8204.00462218012013@5ad64b5e.bb.sky.com>
Source record: 207

In article <kd4301$2th$1@dont-email.me>, Bill Horne <bill@horneQRM.net>
wrote:

> 1. Can P25 radios be programmed to work on two meters?

Bill-

I understand that P-25 (Project 25) is based on the APCO-25 standard.
<http://www.apcointl.org>

As Phil mentioned, there are P-25 nets around. Look in the ARRL
repeater directory, and I think you will find P-25 repeaters on both the
144 and 440 MHz bands.

Your state may have a regional repeater association with repeater data
on line. Some are listed here:
<http://florida-repeaters.org/links1.htm>.

Fred
K4DII

48. Amateur Radio Newsline(tm) Report 1849 - January 18 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-18 14:08:21 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130118100004.9E01933C8C@panix2.panix.com>
Source record: 208
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1849 - January 18 2013

Amateur Radio Newsline report number 1849 with a release date of
January 18 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. Developers of free D V digital audio say a
change in the FCC Amateur Service rules is needed; the Sun wakes up and
hurls a large C-M-E toward Earth; the ARRL holkds it first Board of
Directors meeting of 2013 and the FCC to hold open hearings on the
impact to communications caused by hurricane Sandy. All this and more
on Amateur Radio Newsline(tm) report number 1849 coming your way right
now.

(Billboard Cart Here)

**

EMERGING HAM RADIO TECHNOLOGY: DEVELOPERS OF CODEC 2 DERIVED FREE DV
SAY A RULES FCC PART 97 RULES CHANGE IS REQUIRED

The Codec2 digital voice project has developed a new program called
FreeDV. This is a system to encode digital voice on any two-way radio
using only 1.125 KHz of bandwidth. But says Codec 2 researcher Bruce
Perens, K6BP, FCC regulations aren't up-to-speed with the challenges of
software-defined radio and Open Source architecture:
--

K6BP: "One of the changes we (need to) make is bandwidth based
regulation. Rather than what (the) FCC does today in that it grants
permission piecemeal permission to use a different modulation letter
(suffix) and if you change the letter you have to go back to FCC for
permission."

--

According to Perens there will be a filing of a 24 page request to the
FCC that will propose the regulatory agency make several changes to the
Part 97 rules. Among this will be to allow all digital modulation
schemes and all published digital codes on the ham radio bands. It
will also push for a change to bandwidth-based regulation of the
Amateur Service rather than the mode segmented way that the hobby is
governed today. And he points to our neighbor to the North and its
success with Regulation by Bandwidth:

--

K6BP: ".Now contrast this to Canada. Canada (regulators) say here's 6 kHz, do what you want with those 6 kHz. Makes more sense today."

--

You might remember that it was only a few years ago when the ARRL proposed a similar bandwidth based regulatory change that was widely criticized by many of its members as well as the overall United States ham radio community. At that time the League said that its petition would provide the Amateur Radio Service the flexibility to experiment with new digital transmission methods while permitting present operating modes to continue to be used for as long as there were hams who wish to use them.

Back then the overall ham radio community shouted the idea down. But this is 2013 and technology has reached a point where some change may be desired to accommodate digital telephony on the High Frequency bands as well as on VHF and UHF. It will be interesting to see where this takes ham radio in the months and years ahead. (Codec 2 - FreeDV)

**

PROPAGATION: SUN EMITS LARGE CME ON JANUARY 13

A huge sun eruption on Sunday January 13th at 07:24 GMT unleashed a wave of solar plasma aimed at Earth that may amplify the planet's northern lights displays and possibly cause difficulty in High Frequency radio communications. Amateur Radio Newslines Stephan Kinford, N8WB, has the latest:

--

The solar eruption, called a coronal mass ejection or CME was expected to take about three days to reach Earth bringing it in sometime between midday Wednesday the 16th and when this newscast goes to air. The good news is that scientists say that this particular event is not strong enough to interfere with satellites on-orbit or electrical systems on Earth.

Observations from NASA's twin Solar Terrestrial Relations Observatory or STEREO spacecraft showed that the CME moved away from sun at speeds of 275 miles per second. This equates to about 990,000 miles per hour.

NASA officials said that solar eruptions at this speed are fairly typical and have not caused substantial geomagnetic storms in the past. They explain that geomagnetic storms occur when the charged solar particles interact with the Earth's magnetic field. At that point they hold the potential to cause problems for satellites in space, communications systems , and terrestrial power grids.

Two particularly active sunspot regions, called AR 11652 and AR 11654, have produced four low-level M-class flares since January 11th. NASA says that the sun is in an active phase of Solar Cycle 24 and is expected to reach its peak sometime this year.

The bottom line is that should you find the High Frequency bands kind of dead for a few days you might want to switch to 6 or 2 meters and beam North. When these solar storms hit, you never know what signals you might hear through Auroral Propagation.

For the Amateur Radio Newsline, Im Stephan Kinford, N8WB, in Wadsworth, Ohio.

--

The most powerful solar eruptions are X-class flares. They have the most significant effect on Earth because they can cause long lasting radiation storms in the Earth's upper atmosphere and trigger severe radio blackouts. But solar storms similar to this eruption mostly produce supercharged northern and southern polar lights and possibly short lived communications blackouts on the high frequency bands while possibly bringing enhanced communications at 50 MHz and above. (spaceweather, others)

**

LEADERSHIP: ARRL BOD MEETS IN NEW ORLEANS JAN 18 - 19

The ARRL Board of Directors will be holding its first annual meeting in New Orleans, Louisiana beginning on Friday, January 18th and likely continuing through Saturday, January 19th.

The ARRL Board meets twice a year and from the looks of the agenda for this January gathering it appears as if the leadership of the United States national amateur radio society has a lot of work cut out for it.

You can see the entire agenda at tinyurl.com/arrl-january-2013 and we will have more on the outcome of this conclave in future Amateur Radio Newsline reports. (ARRL)

**

RADIO LAW: FCC TO FREE UP 5 GHZ FOR EXPANDED BROADBAND

FCC Chairman Julius Genachowski says that the commission will begin a government-wide effort to increase broadband speeds and alleviate Wi-Fi congestion at major hubs, such as airports, convention centers and large conferences. In addition, this would also increase speed and capacity for Wi-Fi in homes where multiple users and devices are often on a network at the same time.

Genachowski made the announcement at last weeks Consumer Electronics Show in Las Vegas, Nevada. There he said that the FCC will take the first steps next month to free some 195 MHz of spectrum in the 5 GHz band. This will be the largest block of spectrum to be made available for expansion of broadband since 2003.

According to the FCC, this effort should increase spectrum available for ultra-high-speed, high-capacity Wi-Fi by up to 35 percent. This should enable higher data speeds and greater capacity that will likely

be most notable in the area of improved High Definition video distribution. (RW)

**

EMERGING TECHNOLOGY: SPRINT AGREES TO MAKE SOME PHONES FM RADIO RECEIVERS

Sprint says it has come to preliminary arrangement with the radio industry to enable an FM radio receiver chip to be included in some Android and Windows smart phones. In announcing the agreement Sprint said that FM radio could be delivered through the NextRadio tuner application or other radio apps or services.

Currently, radio stations can be streamed over phones, but the inclusion of this technology would allow the phones to receive over-the-air broadcasts. This is something broadcasters have been pushing for both radio and digital TV.

The company made the announcement at the recent Consumer Electronics Show in Las Vegas, Nevada. Sprint says that it will begin including this feature over the next three years. This agreement marks the first time a United States wireless carrier will offer the ability to access local FM radio on a broad array of its devices. (B&C)

**

RADIO FROM SPACE: RUSSIA TO LAUNCH MOON PROBE IN 2025

Russia appears to be getting back into the space-race. According to published news reports, that nation will resume its long dormant program to explore the moon by sending an unmanned probe there in 2015.

The spacecraft will be called Luna-Glob which translates to Moon-Globe in English. According to the Interfax news agency, Roskosmos director Vladimir Popovkin said says the exploration payload will be carried by the first rocket to blast off from a new facility that Russia is building in its far eastern Amur region.

Popovkin is the head of Russia's space agency. He and other Russian space officials have said Luna-Glob would consist of an orbital module and a probe that would land on the moon. Once there it will radio back information about samples it takes from the Lunar surface.

The last successful Russian launch of an unmanned probe to the moon was in the 1970s. Unfortunately that nation has suffered setbacks in its space program in recent years, including unsuccessful satellite launches and the failure of a Mars probe in 2011. More is on the web at tinyurl.com/russia-moon-mission and we will have more space related news for you later on in this week's Amateur Radio Newsline report. (Published news reports)

**

BREAK 1

>From the United States of America, we are the Amateur Radio Newsline, heard on bulletin stations around the world including the VU3MGH repeater serving Madurai City, India

(5 sec pause here)

**

RADIO LAW: FCC TO HOLD HEARINGS IN WAKE OF HURRICANE SANDY

In the wake of Superstorm Sandy, Federal Communications Chairman Julius Genachowski announced plans to convene a series of field hearings. These to examine challenges to the nation's communications networks during natural disasters and in other times of crisis. Amateur Radio Newsline's Buill Pasternak, WA6ITF, has the details:

--

The FCC says that these first hearings will facilitate a wider national dialogue about the resiliency of communications networks by focusing on the impact of hurricane Sandy. It will also help form recommendations and actions to strengthen wired and wireless networks in the face of such large-scale emergencies.

The first of these hearings are slated for February 5th from 9 a.m. to 1 p.m. Eastern time at the Alexander Hamilton U.S. Customs House in New York City. This will be followed by an afternoon session from 2:30 to 6:30 p.m. at the Stevens Institute of Technology located in Hoboken, New Jersey.

The FCC adds that it will attempt to accommodate as many attendees as possible; however, admittance will be limited to seating availability. The Commission will provide audio or video coverage of the meeting over the Internet from the FCC's Web page at www.fcc.gov/live.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the Newsroom in Los Angeles.

--

As this report is being prepaid its unknown if representatives of any of the numerous ham radio groups involved in providing emergency communications during and after hurricane Sandy plan to attend. (FCC)

**

PUBLIC SERVICE: HAM RADIO AND THE EAGLE CAP EXTREME SLED DOG RACE

Amateur radio will once again be providing communications for the Eagle Cap Extreme Sled Dog Race through the rugged Wallowa Mountains in Northeastern Oregon. This year two systems are to be linked to cover the race area.

The Eagle Cap Extreme Sled Dog Race first utilized amateur radio as its primary means of communication around the race course in 2009. The technology provided by the volunteer radio amateurs gave a big boost to logistical and strategic planning plus an extra measure of safety for volunteers, race officials, spectators, and the sled teams.

This years Eagle Cap Extreme is slated for January 23rd to the 26th and been described as challenging, fun and beautiful by participants and fans alike. If you can't be there in person, be advised that all communications during the event can be heard on the DAWGGONE Echolink conference provided by the DODROPIN conference server permitting those who want to listen in.

More is on-line at www.eaglecapextreme.com/ (KB7DZR)

**

PUBLIC SERVICE: CANADIAN SKI MARATHON 2013 LOOKING FOR RADIO OPERATORS

Also, the Canadian Ski Marathon is spooling up with ham radio an important part of this evwent. The race is slated for the weekend of February 9th and 10th and it depends on ham radio volunteers to provide timely safety and logistical communications for the benefit of the skiers.

The event runs between Lachute and Buckingham in western Quebec regardless of weather conditions. This year is the 47th anniversary for the marathon and the 40th year for Amateur Radio supporting the event.

If you would like to volunteer this year, please email Harold Hamilton, VA3UNK to radio1 (at) admin2 (dot) ca or va3unk (at) gmail (com) com. More information is on-line at the Canadian Ski Marathon amateur radio webpage. Its in cyberspace at www.radio-1.ca. (VA3UNK)

**

RADIO LAW: ILLINOIS GUARANTEES BROADCASTERS ACCESS IN EMERGENCIES

Broadcasters in Illinois have been guaranteed the right to serve the public in times of crisis. Amateur Radio's Cheryl Lasek, K9BIK, reports:

--

A new law assuring Illinois broadcasters and cable operators that they will have the emergency credentials necessary to gain access to their operations while also allowing the delivery of fuel to power emergency generators during disasters has unanimously passed both Illinois houses of the Illinois legislature. The bill titled Illinois HB-5528, was sponsored by Representative John Bradley in the Illinois House and Senators Antonio Munoz and Kirk Dillard in the Senate.

The Illinois state measure recognizes the important role local broadcasters serve in times of emergencies and disasters and ensures that key personnel needed to keep stations operational during times of

emergencies will have access to their facilities. It also insures fuel needed to power emergency generators will be allowed to be delivered.

Dennis Lyle is the President of the Illinois Broadcasters Association. He credited law enforcement officials as well as the Illinois Emergency Management Agency for supporting the passage of the bill. Also crucial was a lack of objections from the City of Chicago, the Illinois Sheriff's Association or the Illinois Emergency Management Agency.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

The Illinois Broadcasters Association says that it will now work with the states Emergency Management Agency to design a training curriculum that personnel must complete before being issued emergency access credentials. (RW)

**

HAM HAPPENINGS: N3A TO CELEBRATE 2nd INAUGURATION OF PRESIDENT OBAMA

The District of Columbia Amateur Radio Society has announced that it will be activating special event station N3A. This for the inauguration of Barack Obama on his second term as President of the United States.

The station will be operational through January 22nd operating from the District of Columbia, Maryland and Virginia. Listen out for N3A on SSB, CW, RTTY and various digital modes. There is no fixed operating schedule, so please check the various on-line sources for activity. QSL electronically via Logbook of the World or by the U.S. Postal Service mail and include an SASE. (W3DQ)

**

HAM HAPPENINGS: EARLYBIRD REGISTRATION FOR DAYTON CONTEST UNIVERSITY

Early bird registration is now open for 2013 Dayton Contest University to be held all day on Thursday May 16th at the Crowne Plaza Hotel in Dayton, Ohio. 2013 will be the seventh year in a row for Contest University in Dayton. Early signups will have the opportunity to help select this years class outline topics. A list of suggested topics as well as registration information is on the web at contestuniversity.com (K3LR)

**

HAM HAPPENINGS: DAYTON CONTEST DINNER TICKETS NOW AVAILABLE

The North Coast Contesters have announced that the 21st Annual Dayton Contest Dinner will be held on Saturday night, May 18th also at the Crowne Plaza Hotel. Master of Ceremonies is CQ Contest Hall of Fame member and World Wide Radio Operators Foundation Chairman, John Dorr,

K1AR. Dr. Robert G. Cox, K3EST, will be the featured speaker. The CQ Contest Hall of Fame inductions for 2013 will take place at this dinner. Tickets are only available for pre-purchase only on-line at contestdinner.com. There will be no tickets for sale at the door. (K3LR)

**

NAMES IN THE NEWS: KO0Z NAMED CQ BEGINNERS EDITOR

Ron Ochu, KO0Z, of Girard, Illinois, has been named Beginners Editor of CQ Amateur Radio magazine, Ochu will begin writing the "Learning Curve" column as of the April 2013 issue. Ochu succeeds Rich Arland, K7SZ, who stepped down after a decade of writing various columns for several CQ Communications magazines. (CQ)

**

NAMES IN THE NEWS: AUSTRALIAN HAM GIVEN AN AMSAT ACCOLADE

Tony Hutchisson VK5ZAI, has received an award from AMSAT North America. THis for the voluntary work he has done for the Amateur Radio on the International Space Station program.

Hutchisson is the Australian ARISS Coordinator and a Telebridge Earth Station involved in many contacts between the International Space Stations and schools taking part in the program. In accepting the award VK5ZAI said it was a very nice honor which made him feel humble. (VK3PC)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

CHANGING OF THE GUARD: FORMER ABC ENGINEERING SUPERVISOR AND QST TECHNICAL EDITOR STU COHEN N1SC - S.K.

Yet another changing of the guard in amateur radio. This with the sad news that former QST Technical Editor Stuart Cohen, N1SC, of Colbert, Washington, passed away January 4th following a long battle with cancer.

Better known as Stu Cohen, he was first licensed in 1954 as K2IOC, Cohen enjoyed operating CW and chasing DX on 40 and 20 meters. He also was active on 75 meters AM.

Cohen came to ARRL Headquarters in 2002 after a highly successful career in television broadcasting. Prior to his service with the League, Cohen was an Emmy winning Engineering Supervisor at ABC-TV in Los Angeles where he worked from 1974 to 1993. After leaving the ARRL in 2005, he continued his relationship with the League, becoming a Technical Advisor.

Services for Stu Cohen, N1SC, were scheduled to take place on Wednesday, January 9th at the Charles Francis Adams Memorial Chapel in Portland, Oregon. At the time of his passing he was age 70. (ARRL)

**

WORLDBEAT: LED LIGHTS JAM CITY BUSES

The Swedish national amateur radio society the S-S-A reports on a case of LED lights in a shop jamming the VHF radio used by buses. The lighting in shop windows at a business called Punkt House jammed the city bus system which uses 167.0375 MHz for communications and dispatch.

The lights causing the problem were LED spotlight lamps. It was found they did not conform to the regulations on Electromagnetic Compatibility and they are now being replaced. The full story in Google English is on-line at tinyurl.com/LED-VHF-Interference, (Southgate)

**

HAM RADIO IN SPACE: SA AMSAT ACCELERATING CUBESAT PROJECT

South Africa AMSAT has decided to accelerate its CubeSat project and expects to have the first prototype version of the transponder and control system on the table for testing by end February.

As part of South Africa's contribution to the African Resource and Environmental Management Constellation of satellites, the South African National Space Agency or SANSA, in collaboration with local industry and academic experts, have been in discussions on the specifications for the new satellite called Zed A-ARMC1. Specifically in regard to its benefits for South Africa and the continent. South Africa AMSAT is making a presentation to SANSA to have an amateur payload included in the project.

Deon Coetzee, ZR1DE, last year demonstrated a locally designed space frame. He is currently working on the second prototype. Full details are on the web at www.amsatsa.org.za. (SARL)

**

HAM RADIO IN SPACE: NEW ARISS ISS CONTACT SCHEDULING

A reminder that a new process is in place for schools in the United States to schedule a ham radio contact with crew members on the International Space Station. For a US school to have an ARISS contact,

it must fill out a proposal, submit it to NASA, and see if it is approved. Once a school gets the go ahead, it will be put on the list and an ARISS mentor will be assigned to assist.

NASA will have two open windows a year for schools to submit a proposal. A school or whomever is representing the school must first go to NASA to get the proposal material. To do so, contact Teaching >From Space to JSC-TFS-ARISS (at) mail.nasa.gov. (ANS)

**

DX

In DX, members of the 'Buddies in the Caribbean' suitcase mini-DXpedition group are going to Barbados and will be active between January 29th and February 6th. All members will use Buddipole portable antennas at 100 watts or less. Several teams will be battery-only, field portable either from Barbados beaches or from scenic mountain tops and will sign their own call stroke P. QSL via Logbook of the world or direct to each operator with an SASE.

KX9X will be operational stroke 4 from Dewees Island on Friday, February 1st from 1500 to 2000 hours UTC. Dewees Island counts as SC-042 in the US Islands program, is part of NA-110 for Islands on the Air and has never been operational according to the US Islands website. He will operate QRP with portable antennas on SSB and CW only. QSL as directed on the air.

Bill Moore, NC1L, ARRL Awards Branch Manager, reports that the current 8Z1Z operation is from the Republic of the South Sudan has been approved for DXCC credit. This operation began on January 8th. Also approved was the 3D2C operation from Conway Reef that took place back in 2012.

G3PJT will be on the air from Grenada from March 5th to the 20th as J34G and active on High Frequency bands. QSL via his home call.

N3ME and W3UR will be active from the island of Dominica through February 11th operating as J76A and J77A respectively. They will be on 160 through 6 meters using CW, SSB and RTTY. QSL J76A via N3ME and J77A via W3UR. Both will also accept electronic confirmation using Logbook of the World.

Lastly, WN3R will be on the air from Grand Cayman Island February 20th to the 26th as ZF2RW. Listen out for him on 40 through 6 meters and QSL via WN3R.

(Above from various DX news sources)

**

THAT FINAL ITEM: PACK YOUR HAM GEAR AND MOVE TO MARS

And finally this week, you might want to call this the ultimate one-way DXpedition. While not specifically directed to the ham radio community, the Netherlands based nonprofit organization Mars One, has released its basic astronaut requirements setting the stage for a televised global selection process that will begin later this year. Amateur Radio Newsline's Norm Seeley, KI7UP, has the details:

--

Mars One hopes to put the first settlers on the red planet by 2023. The organization is not looking for scientists or former jet jockeys as colonists. Rather anyone who is at least 18 years old can apply to become a Mars pioneer.

Officials at Mars One say that the most important criteria are intelligence, good mental and physical health and dedication to the project. Those selected as its astronauts will undergo eight years of training before launch.

Norbert Kraft is Mars One's chief medical director and a former NASA researcher. He is quoted as saying that gone are the days when bravery and the number of hours flying a supersonic jet were the top criteria. Kraft says that now a days space exploration planners are more concerned with how well each astronaut works and lives with the others, in the long journey from Earth to Mars and for a lifetime of challenges that would lie ahead.

Mars One plans to launch a series of robotic cargo missions between 2016 and 2021. These would be used to build a habitable outpost ahead of the arrival of the first four colonists in 2023. More settlers would then arrive every two years thereafter. And less we forget to mention, this will be a one way trip as there are no plans to return the pioneers to Earth.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, staying on this side of any RF pile-up here on Planet Earth in Scottsdale, Arizona.

--

If you think you have the right stuff to help colonize Mars you can learn more about the selection process at www.thenextgiantleap.com. And if we might speculate a bit, it will be interesting to see if anyone from the world wide ham radio community will pack up their station and take advantage of this truly rare and exotic DX location. And we also guess all QSL's would go electronically on this one. (Mars One, space.com, others)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is

newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Davis, W2JKD, in Vero Beach, Florida, saying 73 and we thank you for listening.

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49. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-18 16:50:04 UTC
From: MM <junk@is.invalid>
Message-ID: <kdbtrp$9rl$1@solani.org>
Source record: 209

On 1/17/13 11:34 AM, Bill Horne wrote:
> ...
> I don't care what DRM the ARRL chooses: the issue for me is that the
> online edition is just a page-by-page image of the printed version, and
> I don't feel that this is a viable way to make QST available online.
>

I dunno, that's the way I prefer it. They can imbed links to more info so you can look at them if you want, which I think they do. How else would you want it? Anything else would be just a bunch of web pages, it wouldn't be QST anymore.

FWIW, the iPad QST app works quite well. I wish they had an Android version too, I don't particularly care for the web version.

To each his own, I guess.

73... Mark AA7TA

50. Re: How much of QST's content is now ephemeral?

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-18 16:50:36 UTC
From: MM <junk@is.invalid>
Message-ID: <kdbuajbhn1@solani.org>
Source record: 210

On 1/17/13 1:02 PM, Bert wrote:
> The recent discussion of the "online" version of QST had me thinking of
> this.
>
> Articles in QST used to be pretty much complete and self-contained.
>
> Construction articles had complete schematics and parts lists, even PC
> board layouts when needed. Technical articles might have some footnotes
> and references, but they were to real books that you could buy or find
> at a decent library.
>
> Now, much of the meat of many articles is contained in random Web sites,
> many not managed by ARRL, with no guarantee that any of it will be
> findable after even a year or two.
>

I think you make a good point. Unfortunately, IMO QST has become a
shadow of its former self. Not to be an OF (altho I probably am), the
QST of the 70's and earlier was much more substantial. It may be largely
due to hams doing less construction than in the old days. And often
software is a large part of everything these days. It's difficult to
distribute software in a print medium so it pretty much has to be
on-line. For better or worse, that's the way of the world now.

73.... Mark AA7TA

51. Re: How much of QST's content is now ephemeral?

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-18 19:33:36 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <kdc5ap$n83$1@dont-email.me>
Source record: 211

On 1/18/2013 11:50 AM, MM wrote:
> On 1/17/13 1:02 PM, Bert wrote:
>> The recent discussion of the "online" version of QST had me thinking of
>> this.
>>
>> Articles in QST used to be pretty much complete and self-contained.
>>
>> Construction articles had complete schematics and parts lists, even PC
>> board layouts when needed. Technical articles might have some footnotes
>> and references, but they were to real books that you could buy or find
>> at a decent library.
>>
>> Now, much of the meat of many articles is contained in random Web sites,
>> many not managed by ARRL, with no guarantee that any of it will be
>> findable after even a year or two.
>>
>
> I think you make a good point. Unfortunately, IMO QST has become a
> shadow of its former self. Not to be an OF (altho I probably am), the
> QST of the 70's and earlier was much more substantial. It may be largely
> due to hams doing less construction than in the old days. And often
> software is a large part of everything these days. It's difficult to
> distribute software in a print medium so it pretty much has to be
> on-line. For better or worse, that's the way of the world now.
>
> 73.... Mark AA7TA
>

I think you have good points, Mark. However, I also think the costs of printing have gone up, which makes it more expensive. Also, back in the 70's we didn't have the internet, so either you got the layouts, etc. from the article or had to send away for them.

I think a good middle ground would be for the ARRL to post this information on the ARRL site, so they can control how long it's available. It would save printing costs yet still be available for years to come.

And yes, I do look back. Recently I was looking for a simple DTMF decoder. Remembering a number of them from the 70's through the 90's, I did some digging around and found a number of them. Not exactly what I was looking for, but they gave me enough ideas that I was able to put something together on a breadboard. Not neat, but it works. Maybe eventually I'll get around to etching a board for it, but probably not. It works fine as it is :)

--
==========
Remove the "x" from my email address
Jerry, AI0K
jstucklex@attglobal.net
==========

52. 30 Years Ago: AMSAT/VITA Agreement to Develop PACSAT

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-19 01:24:19 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <50f98425$0$61560$540ea2cf@novia.net>
Source record: 212
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.space,rec.radio.amateur.digital.misc

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: karn <utzoo!decvax!harpo!eagle!karn>
>Subject: Amsat/Vita agreement
>Newsgroups: net.ham-radio, net.space
>Date: Mon Jan 17 21:11:48 1983

Jan 14,1983 -- The Radio Amateur Satellite Corp. (AMSAT) and the
Volunteers In Technical Assistance (VITA) {note -- pronounce as
VI-TAH as in the word vital} have today announced their intent
to pursue a joint effort to develop a low-cost packet radio
satellite system called PACSAT.

VITA, headquartered in Rosslyn, VA, is a private, nonprofit
organization that supports people working on technical problems
in developing countries with technical information provided by
thousands of volunteer scientists, engineers and technologists.
The information and assistance VITA provides is aimed at helping
local people in developing countries to select and implement
technologies appropriate to their local situations.

VITA Director Henry Norman and VITA Project Coordinator Dr. Gary
Garriott (WA9FMQ) today announced that VITA has just awarded
AMSAT a $15,000 Design Definition Grant to support development of
PACSAT as a reliable low-cost digital satellite system to meet
requirements for communications of technical information on
renewable energy resources to and from their many field
locations. AMSAT's role in this joint activity will be to provide
hardware suitable for demonstration programs and to provide
technical assistance in developing a low-cost system. Part of
this effort will involve adapting solar power, amateur radio and
personal computer technology for use in the field, far removed
from any technical support.

AMSAT's PACSAT project manager Den Connors (KD2S) indicated that this grant will support initial PACSAT design definition activities which are being coordinated by AMSAT with work being done in some 15 locations around the world.

It is also of interest to note that WA9FMQ is a cousin of NASA astronaut Dr. Owen Garriott, W5LFL who may be amateur radio's first "space mobile" by operating from the Space Shuttle if a proposal submitted by AMSAT and ARRL is approved by NASA.

AMSAT
850 Sligo Ave.
Silver Spring, MD 20910

VITA
1815 North Lynn St.
Rosslyn VA 22209

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlD5g9cACgkQ6Pj0az779o5hIQCg0U+d+ll9294kray0pw219Bu2
+MIAnjK7ADXiG/flSjyBKVW+pxcNanFX
=bRuX
-----END PGP SIGNATURE-----

53. Welcome to rec.radio.info!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-22 07:00:04 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/welcome-1-1358838001@panix.com>
Source record: 213
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/welcome
Revision: 1.4 2008/02/09 19:36:10
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** Welcome to rec.radio.info! ***

Welcome to rec.radio.info, a group that aims to provide a noise-free
source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group
every month. You are now reading the first article, which explains what
rec.radio.info is, and answers some Frequently Asked Questions. The
second article is titled Posting Guidelines, and you only need to read
it if you want to submit an article to rec.radio.info.

You can skip to the next section of this article by searching for the
next
" -- " string. The sections available are:
- What is the purpose of rec.radio.info?
- Why are messages almost always cross posted to rec.radio.info?
- What is a 'follow-up', and what does 'moderated' mean?
- OK, so now I know what 'moderated' means. Tell me more.
- What type of material is considered inappropriate?
- I do not have access to news, how can I get the information posted to
rec.radio.info?
- Will the material appearing in rec.radio.info be archived somewhere?
- I have a regular posting with timely information, is there a way to
speed up it's delivery, or automate for more convenience?

-- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet
community with a resource for information, news, and facts about any and
all things radio.

All the other rec.radio groups are intended for discussions and general
chit chat about radio. Rec.radio.info will contain informational,
factual articles only. Follow-ups are redirected to an appropriate other
group, and further discussion (if any) will not take place in
rec.radio.info.
```

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- Why are messages almost always cross posted to rec.radio.info?

It provides a "tag" for each article to be assembled into a filtered presentation in rec.radio.info (even with cross-posting, only one message, with a unique Message-ID, is propagated across the net). This tag also facilitates a pre-existing method of dropping or canceling the articles locally within the discussion groups if you don't want to see them. This accommodates individuals who want to separate the bulletins from the discussions, discussions from the bulletins, as well as those who are adamant about not reading another newsgroup and wanted to see everything all in one basket.

With the total size of Usenet (in number of newsgroups and total traffic) doubling every year or so, this is no insignificant contribution to reducing information noise and chaos. Making the discussion groups a catch-all, and making extra newsgroups filters on that catch-all, is also the most realistic way to implement such a scheme (It's not intuitively obvious what the charter, contents, and general appropriate topics for each and every newsgroup are. Seeing FAQ's and charter/intro postings in the home newsgroup is beneficial for new readers).

By cross-posting one only is adding a few tens of bytes to each bulletin (to specify the extra group on the Newsgroups line), but are adding the capability for very powerful filtering features available on most news servers, listservers and readers. Your local news guru could probably explain these features in more detail.

In rn, for example, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

/Newsgroups:.*[,]rec\.radio\.info/h:j

either in ~/News/KILL (if you don't want to see rec.radio.info articles anywhere) or ~/News/rec/radio/amateur/misc/KILL (if you don't want to see them just in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

rec.radio.info:!s/:^

in ~/.nn/kill (if you don't want to see rec.radio.info articles anywhere), or put the following lines:

sequence
rec.radio.info
rec.radio.

at the end of ~/.nn/init in order to see all the rec.radio.info bulletins first, then read the remaining rec.radio.* without the

bulletins.

In slrn, according to the srln FAQ, the following scoring rule will | allow you to see rec.radio.info-crossposted bulletins, while still | filtering out most SPAM or "Velveeta" crossposted to more than 2 | newsgroups (as such articles usually do not contain a 'Followup-To:' | header): |

Score: -9999 |
Newsgroups: ,.*, |
~Followup-To: . |

More information about kill files may be obtained from Dave Fawthrop's Killfile FAQ at:

http://www.hyphenologist.co.uk/killfile/

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup news.announce.newusers. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to news.announce.newusers.

For the rest of this article, we will assume you have a basic knowledge of Usenet terminology and mechanics.

A moderated group means that any article that needs to be posted to the group has to be accepted by the moderator of the group. Since we need to ensure that followups to an article (discussion) do not show up in the rec.radio.info newsgroup, the `Followup-To:' header line contains a newsgroup that is appropriate for discussions about the specific article.

-- OK, so now I know what 'moderated' means. Tell me more.

Rec.radio.info is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is the rec.radio.amateur.moderated Moderation Team. Submissions to rec.radio.info can be posted, or e-mailed to:

rec-radio-info@panix.com

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

rec-radio-info-request@panix.com

But before you do so, please be sure to check out the "Posting Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

1) Requests for information: rec.radio.info is strictly a one-way street. We receive information in our mailbox; we then post it to rec.radio.info. Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.

2) Obvious discussion articles, or articles that appear unsubstantiated.

3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, We would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. We reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all we can allow.

-- I do not have access to news, how can I get the information posted to rec.radio.info?

Google has an excellent web interface to Usenet newsgroups. It is available at:

http://groups.google.com

It supports both reading and posting.

Another excellent web interface to at least the radio-related Usenet newsgroups is the RadioBanter site:

http://www.radiobanter.com

sponsored by the NewsgroupBanter project:

http://www.newsgroupbanter.com

It, too, supports both reading and posting.

-- Will the material appearing in rec.radio.info be archived somewhere?

Yes. See Google Groups and RadioBanter above.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as time critical.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires co-operation and goodwill to be beneficial to the community in the rec.radio hierarchy.

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

54. rec.radio.info Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-22 07:05:01 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/guidelines-1-1358838300@panix.com>
Source record: 214
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/guidelines
Revision: 1.5 2007/03/22 16:30:49
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** rec.radio.info - Posting Guidelines and Etiquette ***

Two introductory articles about rec.radio.info are posted to this group
and to rec.answers/news.answers every month. You are now reading the
second article, which explains how to submit something to
rec.radio.info, and which answers some Frequently Asked Questions about
the submission process. The first article is titled "Welcome to
rec.radio.info", and it might be a good idea to check it out as well.

-- How do I submit something to rec.radio.info?

Two possibilities. You can use your newsreading software to just post
the article to rec.radio.info, as you would do with any other
newsgroup. The difference is that the software recognizes the special
status of rec.radio.info as a moderated group, and will e-mail your
article to us, the moderation team, instead of posting it to the group.

Alternatively, you can mail your article directly to us at the following
address:

rec-radio-info@panix.com

Mailing us directly is probably (a wee bit) faster, but using the
transparency offered by the newsreading software is probably more
convenient.

If you have any questions, or wish to deal with some administrivia with
the moderation team, we suggest mailing to the following address:

rec-radio-info-request@panix.com

-- How soon will I see my article appear?

It depends on how busy we are. Your article reaches us as mail, we have
to read it first, give it the stamp of approval, and finally send it on
to the group. We will attempt to read and decide on all submissions
within 72 hours at the very least, though we will probably be able to
process submissions much faster in actual practice.
```

The site from which we moderate this newsgroup, "Public Access Internet and Unix, NYC" (Panix), is directly connected to the Internet, and articles posted at that site should appear at most major news sites, including Google Groups, the same day. The principal delay, therefore, will be the wait in the moderator's submission queue.

If you post a periodic article, and have shown to be trustworthy, we may allow you to post directly if the article is of a timely nature. See the section below on direct posting.

-- Should my article be in a specific format?

No. If it is not totally illegible, we will accept it, and if it does not have a correct subject-line we will correct it with your permission -- that's what a moderator is for.

However.

You could do us a big favor by making sure your article conforms to these simple requirements:

1) The article must present information, not discussion or requests, We will reject the article or require you to change the wording if it is worth it.
2) A good, descriptive Subject line.
3) Always mention what source you got the information from.
4) Don't forget to include a Followup-To header, at least if you don't want further discussion to automatically be forwarded to you, the poster, which is the default if the article is only posted to rec.radio.info.

As we said: if your article is appropriate we will post it even if you don't follow these guidelines, but then don't blame us for not processing it immediately. 'Perfect' articles we can send on with a couple of keystrokes. Stuff that needs minor editing is going to have to wait until we have time to do so.

Please do not waste both our and your time by posting requests, as this is an information only news group.

-- What about crossposting?

If you send something to rec.radio.info, just name any group you'd like to cross-post to in the Newsgroups field. Then, when we approve the article for rec.radio.info it will get automatically cross-posted to any other groups mentioned. This will also override the default Followup-To: poster, replacing it with the groups you cross posted to.

We would prefer if the group be cross-posted to the various discussion groups in the rec.radio.* hierarchy that are appropriate:

rec.radio.amateur.misc Amateur (ham) radio and related matters
rec.radio.amateur.packet Amateur Packet Radio discussions
rec.radio.amateur.policy Amateur Radio practices, rules, etc.
rec.radio.noncomm Non commercial radio discussions

rec.radio.shortwave International broadcasting on the 'HF' bands
rec.radio.cb Citizens Band (27 MHz) discussion
rec.radio.scanner Scanner discussions (unsupported group)

or in one of the moderated groups:

rec.radio.amateur.moderated Amateur radio practices, rules, etc.
rec.radio.broadcasting Discussion of *domestic* radio broadcasting

We will leave it up to the poster to decide which group(s) are appropriate, but reserve the right to add groups if we feel it has broader interest. We will consult with the poster first.

Notes on crossposting:

- rec.radio.broadcasting is also a moderated group. The rec.radio.broadcasting moderator prefers to review all articles himself before posting. Placing rec.radio.broadcasting before rec.radio.info on the Newsgroups line should accomplish this. We will typically abide by the rec.radio.broadcasting moderator's decision whether the article is appropriate for rec.radio.info.

- rec.radio.amateur.moderated is also a moderated group. As the rec.radio.amateur.moderated Moderation Team manages both rec.radio.amateur.moderated and rec.radio.info, we can manage crossposting and approvals for both newsgroups. The rec.radio.amateur.moderated group does not allow crossposting to other discussion newsgroups, whether moderated or unmoderated. However, we would like to manage rec.radio.info as consistently as possible with how it was done by previous moderators, including the grandfathering of existing regular postings. Therefore, the submitter can choose rec.radio.amateur.moderated or the other unmoderated rec.radio.amateur.* discussion newsgroups for crossposting, but not both.

- Any FAQ or informational posting approved by the rec.answers/news.answers moderation team that is also crossposted to any rec.radio.* newsgroup (besides just rec.radio.info) is also automatically pre-approved for rec.radio.info. See below for more information.

If you post to another moderated group, it may be better to make special arrangements with both moderators before posting by contacting us at our administrivia addresses.

In addition, cross-posts do not take up extra space; modern newsreaders can be configured to show you cross-posted articles only once anyway; not everybody reads rec.radio.info; and rec.radio.info was never meant to reduce the volume of the regular discussion newsgroups. But keep in mind that some of the mail gateways may filter out the informational postings (at request of the subscribers) to keep the load down.

You decide.

-- I have a regular posting with timely information, can I make arrangements to help speed up delivery by posting directly from my site?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires cooperation and good will to be beneficial to the community in the rec.radio.* hierarchy.

If you are currently maintaining (or plan to maintain) a radio-related periodic information posting, you may wish to consider crossposting it to rec.answers/news.answers. Postings that are approved by the rec.answers/news.answers moderators for this treatment are automatically pre-approved for crossposting to rec.radio.info (as the news.answers requirements are far more rigorous than the requirements this newsgroup ever plans to use). For more information about this option, consult the appropriate information articles and posting guidelines in rec.answers/news.answers.

Realize also, that even if your post is not approved for rec.answers/news.answers, it can still be approved for rec.radio.info. The intention is not so much to get every last bit of radio-related information on rec.answers/news.answers, but rather to provide an alternative avenue of approval (as well as grandfather existing maintainers of radio-related information and spare them additional bureaucratic hurdles). Again, crossposting to either rec.radio.info or rec.answers/news.answers, both, or neither, is at the discretion of the poster (subject to the approval of the moderators). You decide what is most appropriate for your article.

Please remember that as an information maintainer, you are not alone. There are many others on the net who maintain and post periodic information postings, using various intermediate-to-advanced features of Usenet (usually via automated tools). Various degrees of technical support and general hand-holding are available from many Usenet veterans. Send us some E-mail describing your needs to our administrative address below, and we'll try to help, or at least refer you to the right knowledgeable individual(s).

-- And Follow-ups?

If the only newsgroup you have specified is rec.radio.info, then the Followup-To: field will always be set to poster. If you do not want this, you must supply a Followup-To line of your own, and we will honor that one, as long as it is a subset of the original Newsgroups line.

If you specify newsgroups to cross-post to, then the Followup-To field will be set to include all the cross-posted groups, excepting rec.radio.info itself. Again, if you do not wish this behavior, supply your own Followup-To line.

We maintain other standards on the various RFC-1036 (news transport) header lines. For example, if the article is appropriate for passing into the Packet Radio Information Network, we encapsulate the Packet Bulletin Identifier (BID) in the Message-ID: news header line indicating the machine of origin as the ampr.org domain:

Message-ID: <$opa.55.1994@ampr.org> |

where the Packet Radio BID, in this example, is `$OPA.55', and it was posted in the year 1994, because some of the Bid numbers are cycled yearly. Hopefully, this can be used as a key to re-introduce the articles for the Packet Radio network. Also, if the article is a repost of an already existing information article in the rec.radio heirarchy, we ensure that the References: header line is linked to that previously posted article. This also helps to tag articles, and may be used for additional filtering if needed.

Since the articles are archived, please use the Summary and Keywords header lines to help one search for your article.

-- Why have I received no reply from you?

We never reject anything in silence, and we make a point of it to answer all our mail. However, E-mail, like a brain cell, can and does get lost, every now and again.

So, if you send us something, and you don't see it appear it rec.radio.info, and you still have not heard from us in reply after say, five days, you can be pretty sure that either your mail never reached us, or that our answer has never reached you. In that case, please try again (We will filter out duplicates).

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

55. 30 Years Ago: FCC Adopts Notice of Proposed Rulemaking for Volunteer Examiners

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-22 15:48:34 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <50fea8dc$0$61615$540ea2cf@novia.net>
Source record: 215
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: ad7i <utzoo!decvax!duke!harpo!npoiv!npois!houxm!houxa!houxb!houxq!houxp!ad7i>
>Subject: ARRL 8: FCC NPRM
>Newsgroups: net.ham-radio
>Date: Fri Jan 21 09:36:48 1983

qst de ad7i
red bank, new jersey, u.s.a.
hr arrl bulletin nr 8 from arrl headquarters
newington ct january 20, 1983
to all radio amateurs bt

at a public meeting held january 20, fcc adopted a notice of proposed
rulemaking on the volunteer exam program in response to arrls
petition. fcc also adopted an nprm on the subject of a no code
license. arrl believes this nprm will offer two alternatives. one
would remove the code requirement for the technician license with
privileges limited to frequencies above 50 mhz. the other would be a
digitally oriented license. please note that these are proposals
only, with the texts expected to be released in early february.
details will appear in the arrl letter and qst ar

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlD+qLYACgkQ6Pj0az779o5CvQCgta1b71hRdABLJ2CaZdF0eo9h
h1UAn0RJIoUun32ITTQvB4ccnXaOt449
=0y6A
-----END PGP SIGNATURE-----
```

56. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-24 18:58:59 UTC
From: Tom Horne <hornetd@gmail.com>
Message-ID: <kdrvug$h1r$1@dont-email.me>
Source record: 216

Jerry

It seems I have a reel talent for being unclear in how I ask questions. I wish that I could turn that into a job skill like the people who right crossword puzzles but I digress. When I said Ad Hoc EOCs I was referring to the ones in the city halls of the existing small cities in the county. They don't have dedicated spaces for an EOC but they set one up in a meeting or conference room when they have something serious going down. The idea would be to set up a few wifi capable links on taller buildings that could be linked to some central high spot and from there to the county's purpose built EOC.

Prince Georges county ARES is looking at installing a High Speed Multi Media Mesh (HSMM-MESH™) Net between their county's hospitals. We have Used HSMM-Mesh at one public service event already and it worked well there. So those of us who have already deployed it successfully in a field deployed application were interested in seeing if it could be used to cover these longer distances effectively. If it were possible to run Web EOC on the links that would be sufficient. We are not trying to restore Facebook connectivity to the people at Temporary shelter locations but rather to put some readily predictable places in touch with the EOC. Since that could be done with automatic control under part 97 of the rules we would not need an operator at the served locations.

As for testing we could put LAN routers at one or more of the nodes to allow appropriate local use of the WAN the links would provide which would provide the kind of continuous use and testing that you are talking about. We would have to have a way to shut down the LAN routers when the links were needed for emergency management support.

--
Tom W3TDH

57. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-24 21:02:29 UTC
From: Fred McKenzie <fmmck@aol.com>
Message-ID: <fmmck-A3E935.15254324012013@5ad64b5e.bb.sky.com>
Source record: 217

In article <kdrvug$h1r$1@dont-email.me>, Tom Horne <hornetd@gmail.com>
wrote:

> It seems I have a reel talent for being unclear in how I ask questions.

Tom-

It isn't so much the clarity of your questions. It is our tendency to answer the question we want to answer, rather than the one you asked! Part of my problem is that I do not have Ham experience in the technology you want. With your prior experience, you may be the expert here.

I question whether your needs are a proper application of Ham Radio. Your proposed data system may best be implemented using commercial technology, as you have already done.

Why not provide Facebook connectivity to people in shelters, along with connectivity to the Ad Hoc EOCs? The EOCs will most likely use such a system for communications that might not be appropriate for Ham frequencies, in addition to their needs that are clearly appropriate. You might as well go ahead and use the commercial system with no limits imposed.

Fred
K4DII

58. The ARRL Letter for January 24, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-24 22:54:51 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130124201155.EE4E529C5C6@bmail.arrl.org>
Source record: 218
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

January 24, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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- + Amateur Radio and Scouting: BSA to Offer Amateur Radio Operator
Rating Strip
- + ARRL Scholarship Deadline Is February 1
- The Doctor is In: More Power for EME Stations
- + On the Air: Icelandic Amateurs Get MF Privileges
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- + Postage Rates to Rise this Month
- + DXCC Desk Approves Two Laotian Operations
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + ARRL BOARD HOLDS 2013 ANNUAL MEETING

The ARRL Board of Directors held its 2013 Annual Meeting January
18-19 in New Orleans, Louisiana. At the meeting, the Board set its
legislative objectives for the 113th Congress, bestowed awards,
approved the organization's amended financial plan, elected members to
the Executive Committee and ARRL Foundation, and more. A detailed look
at all the Board's actions, including the official minutes from the
meeting, is forthcoming.

==> + AMATEUR RADIO AND SCOUTING: BSA TO OFFER AMATEUR RADIO OPERATOR
RATING STRIP

The Boy Scouts of America (BSA) has approved an Amateur Radio
Operator rating strip for Scouts and Scouters to wear on their
uniforms. According to BSA Communication Services Director Jim Wilson,
K5ND, the strip recognizes the Scout or Scouter's availability as an
Amateur Radio operator for communication services for events and
```

activities, as well as emergencies. All registered youth members and adult leaders who also hold a valid FCC-issued Amateur Radio license of any class are eligible to wear the rating strip. Read more here <http://www.arrl.org/news/bsa-to-offer-amateur-radio-operator-rating-strip>.

==> + ARRL SCHOLARSHIP DEADLINE IS FEBRUARY 1

The application deadline for ARRL Foundation Scholarships <http://www.arrl.org/scholarship-program> is fast approaching. The deadline for applications is February 1, 2013. According to ARRL Foundation Secretary Mary Hobart, K1MMH, the 2013 collection of scholarship awards is bigger than ever, with eight new scholarships added in 2012. "The annual awards range from $500 to $2500, while the Goldfarb Scholarship can total upwards of $10,000 each year," Hobart explained. "The estimated total dollar amount of all awards in excess of $80,000." Scholarship recipients will be announced in May 2013 via letter and on the ARRL website <http://www.arrl.org/annual-scholarship-winners>.

"The message today is clear -- there is still time to apply for one of the many scholarships administered by the ARRL Foundation," Hobart said. "If you know a young radio amateur who is pursuing higher education, please encourage him or her to apply. If you are a club officer, add this information to your website. With several new awards added every year, highly qualified young hams should review the list of available scholarships <http://www.arrl.org/scholarship-descriptions>, complete the electronic application form <http://www.arrl.org/scholarship-application> and submit it -- along with a recent academic transcript -- before February 1."

Information about all of the ARRL Foundation awards -- including descriptions <http://www.arrl.org/scholarship-descriptions> and selection criteria <http://www.arrl.org/summary-of-scholarship-requirements>, application forms <http://www.arrl.org/scholarship-application> and instructions <http://www.arrl.org/scholarship-program> -- is available on the ARRL Foundation website <http://www.arrl.org/the-arrl-foundation-overview>. The ARRL Foundation is an IRS-designated 501(c)(3) organization dedicated to Amateur Radio.

==> THE DOCTOR IS IN: MORE POWER FOR EME STATIONS

Carl Hasbargen, KN0WS, of St Paul, Minnesota, wrote to the ARRL's Doctor, wanting to know how to use more transmit power for the new Earth-Moon-Earth (EME) station that he plans to build later this year. In the past, he has used a portable generator to power a 180 W, 432 MHz linear amplifier into a quad Yagi antenna system. While Hasbargen was successful using that setup to make a contact via the Moon, he figures additional transmit power would be helpful. He told the Doctor that he would like to be able to use his current generator.

Hasbargen asked "If I have two identical model solid state linear amplifiers, each capable of amplifying a 25 W input into a 180 W output, can I simply take the 50 W from my transceiver, divide the power using a commercial antenna power divider to drive each linear amplifier, then combine the two 180 W outputs from the pair of amplifiers back through another power divider (used backwards as a coupler) to produce a final 360 W to the antenna?"

Here's what the Doctor had to say:

If you pull off the covers of many high power solid state amplifiers, you will see that is exactly how they are constructed internally (see photo). While it seems like a straightforward idea, the main issue, especially at EME frequencies, is relative phase delay. While a single dual-module amplifier is relatively easy to build and test as an integrated system, your separate amplifiers were not built with that in mind. At 70 centimeters, a wavelength is 70 centimeters long, but 1/10 of a wavelength is only 7, about 5 centimeters, or 2 inches in coax.

I would think you would want tolerances to accumulate to well less than that for reasonable operation, and with independent assembly and device selection (not selected as matched components) and alignment, I would be surprised if two randomly selected amplifiers would be that close. If you have the capability to phase match them, the difference, if any, could be accommodated in a short length of coax, preferably on the input side.

If the amplifiers are linear and can amplify at very low levels, it would be safe...to drive them with an input splitter and measure the power at each output. If they are the same and you put them in a combiner and the level is twice each, less the attenuation of the combiner, you are probably good to go. I would bring up the power slowly and watch for heating and other undesired effects.

Of course, in real life, each of the power divider/combiners will introduce a little loss, so don't expect the full 360 W -- still it should be close.

Thanks Doctor! Do you have a question or a problem? Send your questions via e-mail <http://groups.yahoo.com/group/AlleghenyValleyRadio/post?postID=zpPOqQ_tDRUgz8PtrOLu7ReN8SebO3NBKYSpUQMK52ADP9llBYDxeNcBsVrABCPPnXowtP8cnIt4> or to "The Doctor," ARRL, 225 Main St, Newington, CT 06111 (no phone calls, please). Look for "The Doctor Is In" every month in QST <http://www.arrl.org/qst>, the official journal of the ARRL.

==> + ON THE AIR: ICELANDIC AMATEURS GET MF PRIVILEGES

According to the ﷺslenskir Radﷺamatﷺrar (ﷺRA) -- Iceland's IARU Member-Society -- radio amateurs in Iceland now have operating privileges on 472-479 kHz, or 630 meters, as of January 16. Amateurs in Germany, Sweden, the Netherlands, New Zealand and Monaco already have operating privileges in this portion of the MF spectrum. Delegates at

the 2012 World Radiocommunication Conference approved this method of addressing Agenda Item 1.23, as the Conference considered a possible allocation of approximately 15 kilohertz between 415 and 526.5 kHz. After discussions and taking into account spectrum conflicts with the Maritime Mobile Service, delegates ultimately decided to allocate 472-479 kHz to the Amateur Radio Service on a secondary basis. Read more here <http://www.arrl.org/news/icelandic-amateurs-get-mf-privileges>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: The average daily sunspot numbers this past week dropped nearly 73 points to 56.4, while the average daily solar flux declined nearly 47 points to 110.7. The average geomagnetic indices were up about 50 percent, but it was still very quiet. The difference was mostly due to events on January 17 when the planetary A index was 13 -- higher than in recent weeks, but still moderate. The cause of the mild disturbance was the arrival of a coronal mass ejection (CME). The predicted solar flux from the NOAA/USAF January 23 forecast has the 10.7 centimeter flux values at 105 on January 24, 100 on January 25-28, 95 on January 29-30, 100 on January 31-February 1, 110 on February 2, 120 on February 3-4, 125 on February 5-8, 120 on February 9-14, and 115 on February 15. It doesn't look like a return to solar flux values around 170 -- where it was on January 9-12 -- is expected any time soon. But those high levels that we saw earlier in the month weren't predicted, either. Looking back, 135 was predicted for January 9 in the November 25-December 9 daily forecasts, then downgraded to 110 on December 10-16, then increased to 115 on December 17-30, downgraded to 105 on December 31-January 2, increased to 115 on January 3, 135 on January 4, 130 on January 5-6, 145 on January 7, and 150 on January 8. The final result? On January 9, we saw 169.3, far above any of the predictions over the previous 45 days, which were revised eight times. The predicted planetary A index is 5 on January 24, 8 on January 25-26, 5 on January 27-February 8, 8 on February 9-10, and 5 on February 11-18. Look for more on the ARRL website on Friday, January 25. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + POSTAGE RATES TO RISE THIS MONTH

Beginning Sunday, January 27, it will cost more to mail first class letters, postcards and packages within the US. The cost to mail a first class letter will be 46 cents, while the cost to mail a postcard will be 33 cents, an increase of 1 cent for each; this is the third increase for postcard postage in less than two years. This month, the USPS will also introduce a First Class Mail Global Forever Stamp that will allow customers to mail 1-ounce letters anywhere in the world for one set price of $1.10. The cost to mail flat-rate Priority Mail packages and letters will also increase. Click here <http://about.usps.com/news/national-releases/2012/pr12_114.htm> for

more information on all the postal increases.

==> + DXCC DESK APPROVES TWO LAOTIAN OPERATIONS

ARRL DXCC Manager Bill Moore, NC1L, reports that the 2010-2011 XWPA operation and the current XW4XR operation in Laos have been approved for DXCC credit. "If you have had these operations rejected in a recent application, please send an e-mail <bmoore@arrl.org> to the ARRL DXCC Desk," Moore said. "Once updated, results will appear in Logbook of The World (LoTW <https://p1k.arrl.org/lotwuser/default>) accounts, as well as online in the daily listings <http://www.arrl.org/dxcc>."

==> THIS WEEK IN RADIOSPORT

This week:

- January 25 -- NAQCC Straight Key/Bug Sprint; NCCC Sprint Ladder
- January 25-27 -- CQ 160 Meter Contest (CW)
- January 26-27 -- BARTG RTTY Sprint; REF Contest (CW); UBA DX Contest (SSB); SPAR Winter Field Day
- January 27 -- QRP ARCI Fireside SSB Sprint
- January 27-28 -- Classic Exchange (CW)

Next week:

- February 1 -- NCCC Sprint Ladder
- February 2 -- Minnesota QSO Party; AGCW Straight Key Party
- February 2-3 -- Vermont QSO Party; Mexico RTTY International Contest; 10-10 International Winter Contest (SSB); Black Sea Cup International; EPC WW DX Contest
- February 2-4 -- Delaware QSO Party
- February 3 -- North American Sprint (CW)

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- January 25-26 -- ARRL Mississippi State Convention <http://www.arrl.org/hamfests/mississippi-state-convention-capital-city-hamfest>, Jackson, Mississippi
- January 26-27 -- ARRL Puerto Rico State Convention <http://www.arrl.org/hamfests/puerto-rico-state-convention>, Hatillo, Puerto Rico
- February 2 -- ARRL South Carolina State Convention <http://www.arrl.org/hamfests/south-carolina-state-convention-2>, North Charleston, South Carolina; ARRL Virginia State Convention

<http://www.arrl.org/hamfests/virginia-state-convention-frostfest-1>,
Richmond, Virginia
- February 8-10 -- ARRL Southeastern Division Convention
<http://www.arrl.org/hamfests/southeastern-division-convention-orlando-hamcat
ion-1>,
Orlando, Florida
- February 15-16 -- ARRL Arizona State Convention
<http://www.arrl.org/hamfests/arizona-state-convention-yuma-hamfest-1>,
Yuma, Arizona
- February 16 -- ARRL Arkansas State Convention
<http://www.arrl.org/hamfests/arkansas-state-convention-winterfest>,
Hoxie, Arkansas
- February 23 -- ARRL Vermont State Convention
<http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>,
South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention
<http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfe
st-1>,
Claremore, Oklahoma; ARRL Louisiana Section Convention
<http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annu
al-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention
<http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,
Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-pa
trick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-
hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,

Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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59. Amateur Radio Newsline(tm) Report 1850 - January 25 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-25 10:00:14 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130125100003.7F49A33C68@panix2.panix.com>
Source record: 219
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1850 - January 25 2013

Amateur Radio Newsline report number 1850 with a release date of January 25 2013 to follow in 5-4-3-2-1.

The following is a QST. Hams in Iceland and Greenland get new spectrum; hams down-under get use of special prefix for Australia Day; the United States hits yet another all time high in Amateur Service license holders; AMSAT North America's main website hacked and two operations from Laos get DXCC credit. Find out the details are on Amateur Radio Newsline(tm) report number 1850 coming your way right now.

(Billboard Cart Here)

**

RESTRUCTURING: HAMS IN ICELAND AND GREENLAND GET NEW SPECTRUM

We begin this week with news that hams in Iceland have some new frequencies to use. Here's Jeremy Boot, G4NJH, with the details:

--

The national association of Icelandic Radio Amateurs has announced that amateurs in that country have been granted operating privileges on 472 to 479kHz.

Access is granted on a Secondary basis, with a maximum power of 5W EIRP. Maximum bandwidth is 1kHz. This new allocation is open to the G license class and higher.

In addition, the regulatory authority recently extended temporary permits for 1850 to 1900kHz, 5.26 to 5.41MHz and 70 to 70.2MHz.

I'm Jeremy Boot and you are listening to the Amateur Radio Newsline.

--

Also, some good news for the ham radio community in Greenland. OX3XR reports that nation has now moved to a full band allocation of 5.250 to 5.450 MHz from its previous channelized status. (GB2RS, OX3XR)

**

RESTRUCTURING: SWEDISH HAMS GAIN TEMPORARY SHARED ACCESS TO THE 5 MHZ BAND

The IARU Region 1 newsletter that Sweden is now issuing its radio amateurs with temporary permits for operation in the 5.3 MHz or 60 meter band.

According to Anders Larsson, SM6CNN, that nations telecommunications regulator the PTS has begun to issue permits for experimental transmitters at 5.310 to 5.313, 5.320 to 5.323, 5.380 to 5.383 and 5.390 to 5.393 MHz. Maximum bandwidth is limited to 3 kHz independent of type of modulation with a maximum output 100 watt peak envelope power.

Holders of a Swedish amateur service call sign may use that call sign to identify. Also, it is permitted to make contact with other, presumably non ham radio permit holders.

There are however some restrictions. Mobile use is not permitted. Also, this operation must respect all other traffic in the band and not cause any interference to it.

The P-T-S will require payment of yet unspecified administration fee and the permits it issues will only be good for a time period of 6 months.

More information is at www.iaru-r1.org. (IARU)

**

RESCUE RADIO: BROADCASTER JOINS HUNT FOR MISSING CHILD IN SINGAPORE

Broadcast radio is playing a major role in the hunt for a missing child in Singapore. This as all four stations under the Star Radio Group have joined in the search for six-year-old William Yau Zhen Zhong, who has been missing since Wednesday, January 16th.

Suria FM, 988 FM, Red FM and Capital FM are running public service announcements every alternate hour to ask that their combined 4.3 million listeners to join in the search. Other information and a picture of the missing boy have been uploaded to the stations' websites as well as their Facebook and Twitter pages.

Star Radio Group deputy chief broadcasting officer Kudsia Kahar appealed to the public to call the authorities if they see William. Kahar says that the only way to locate him is to cast a wide net. As such, she said that the Star Radio Group is 100 per cent committed in doing its part to try and find him. Kudsia added that she sympathized with the missing child's parents and understood their anguish. (Asia One)

**

HAM HAPPENINGS: ACMA TO PERMIT AX PREFIX ON AUSTRALIA'S NATIONAL DAY

The Australian Communications and Media Authority will once again permit V-K radio amateurs to substitute their normal VK callsign prefix with the letters AX on Australia Day, which is Saturday January 26.

This once a year permit gives Australian hams a chance to be part of the national holiday which commemorates the first settlement at Port Jackson in 1788 which is now a part of the city of Sydney.

It should be noted that the AX prefixed has been used for other special events. Mostly those on occasions of national or international significance to Australia. For example, this occurred during the Sydney 2000 Olympics and saw AX3GAMES take to the ham radio bands. The call AX3MCG was issued for the Melbourne Commonwealth Games in 2006. (VK3PC)

**

2012 MARKS ALL-TIME HIGH FOR AMATEUR RADIO LICENSES

Back in the United States the number of radio amateurs in the United States has reached an all-time high of almost 710,000. This according to figures released last week by ARRL VEC Manager Maria Somma, AB1FM. Amateur Radio Newsline's Heather Embee, KB3TZD, has the details:

--

In looking at new and upgraded licenses, as well as licensees per ARRL Division, VEC Manager Somma took a close look at the numbers looking for growth within each license class and all of Amateur Radio over the last 40 years. When looking at the three current license classes, the number of Technicians, Generals and Amateur Extras peaked in December at 345,369, 163,370 and 130,736, respectively.

Somma says that the total number of US amateurs in the FCC database also continues to grow each year, As of December 31, 2012,the number of licensees reached an all-time high of 709,575 as opposed to 702,056 at the end of 2011 and 696,041 for 2010. In other words, the number of United States licensed radio amateurs increased at an average rate of 21 per day.

Somma said that more than 3000 new licenses were issued in 2012 than in 2011, while upgraded license activity remained steady throughout the year. All in all, a very good year for growth in the United States amateur radio ranks.

For the Amateur Radio Newsline, I'm Heather Embee, KB3TZD, in Berwick, Pennsylvania.

--

The ARRL has a more in-depth report about this continued growth pattern. You can read it on line at tinyurl.com/2012-license-increase. (ARRL Letter)

**

RESCUE RADIO: FEMA SAYS IPAS USE RISING

According to news reports, a growing number of emergency managers are using FEMA's Integrated Public Alert and Warning System or IPAWS to send emergency alerts.

IPAWS now has some 148 operational users. 93 of those have the authority to send an alert to the public using the FEMA-IPAWS Web-based message origination system through the Commercial Mobile Alert Service or EAS. With Commercial Mobile Alert Service on board, major and rural cellphone carriers tie into IPAWS to send 90-character text-based alerts.

According to the latest figures, some 20 messages were sent over the Commercial Mobile Alert Service and 81 were sent using EAS. Of the EAS messages, many of those were required weekly or monthly tests also known as the R-M-T. (RW)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KD8LWR repeater serving Washtenaw County, Michigan.

(5 sec pause here)

**

RADIO AND THE NET: AMSAT-NA WEBSITE COMPROMISED BY HACKING

Hackers have hit AMSAT North America, Amateur Radio Newsline's Bill Pasternak, WA6ITF, is in the newsroom with the details:

--

AMSAT North America says that on or about January 20th its main web site at www.amsat.org was compromised by a hacker. The attack took the form of the contents of the supporting database, including non-public information, being posted on other publicly available web sites.

According to AMSAT, the main site was developed roughly 10 years ago by a group of AMSAT volunteers under a more benign Internet environment of the time. The team that built that site is no longer associated with AMSAT, so work has been underway over the last several months to move to a modern, maintainable, and very secure infrastructure. AMSAT says that this recent breach will accelerate that activity.

In the interim, www.amsat.org will have limited content. Neither the AMSAT store nor the Fox project web site were affected by this breach. Mail services remain operational.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in Los Angeles.

--

A spokesperson tells Amateur Radio Newsline that the AMSAT Store is still open for business, and can be reached directly at store.amsat.org/catalog (AMSAT NA)

**

COMMUNICATIONS NEWS: NOT ENOUGH CELLULAR AND BROADBAND AT PRESIDENTIAL INAUGURATION

Many who attended the Inauguration of President Obama for his second term in office on Monday, January 21st were reportedly unhappy with cellular telephone and broadband service from the National Mall. And this included some heavyweights in Congress.

One of these was Senator Claire McCaskill who at the end the festivities got on-line to tweet her apologies to those waiting for commentary via the Senators Twitter account. Senator McCaskill is a member of the Senate Commerce Committee, which oversees wireless companies and their networks..

But the sense from broadband provider ATT, Verizon, T-Mobile and Sprint was that their networks performed as well as they could have given the heavy demand. This given the enormous number of attendees, many of whom were simultaneously trying to share pictures and messages with others. This in turn created a strain on the finite amount of broadband available to handle the traffic from an ever-increasing number of smartphones and tablet computer that are in common use these days.

More about this situation can be found on-line at tinyurl.com/inauguration-cellphone-problem. (Politico, other published reports)

**

RADIO HAPPENINGS: NAB BROADCAST ENGINEERING CONFERENCE TOPICS ANNOUNCED

The National Association of Broadcasters has released a list of topics for its Broadcast Engineering Conference for its trade show this spring.

For radio broadcasters some of the more interesting programs include Advanced Technologies for Radio; IP for Radio; Spectrum Matters; Technical Regulatory Issues; Radio Receiver Technologies; AM Band Revitalization; Cloud Based Storage and Distribution and Planning for Safety.

Also planned is a special RF Boot Camp called Understanding Radio and Television Transmission. This is designed for personnel who might be unfamiliar with transmission technology but should have a solid acquaintance with it such as station and network I-T personnel or small station management.

The National Association of Broadcasters Convention is slated for April 6th to the 11th in Las Vegas, Nevada. (RW)

**

RADIO SCOUTING: GOOD NEWS FOR SCOUTS INVOLVED IN RADIO

Some good news for scouts involved in radio and radio communications. Amateur Radio Newsline's Mark Abramowicz, NT3V, has the details:

--

The national Boy Scouts of America is now recognizing any youth or adult who has an amateur radio license with a special patch that can be displayed on the uniform.

The patch, in the form of a strip, has the words: "Amateur Radio Operator" on it and will soon be, if it's not there already, available at local Scout shops or through regional Scouting supply operations.

Jim Wilson, K5ND, is the BSA's director of communications services, but known in the ham community as chairman of the national Radio Scouting Committee and national Jamboree on the Air organizer.

Wilson says the recognition came from discussions that began some months ago with the scout committee that selects awards and insignia for the scout uniform.

He says research shows amateur radio was recognized by the Scouts as early as the 1940s...

"There were some proficiency badges or awards that Scouting offered -one of which was a Scout Radioman personal interest badge that was for senior Scouts and Explorer Scouts," Wilson says.

"And, you can actually find those badges in copies of the old handbooks and things like that."

Wilson says from those discussions came the first of the recommendations for the recently adopted Morse Code Interpreter strip.

But Wilson says the awards committee came back after that was approved and asked whether the Radio Scouting Committee could draft something else to recognize ham radio. Thus was born the Amateur Radio Operator patch.

"You can put this strip on your uniform and then that way be recognized for your ability to help in communication around events or around emergencies or just as a recognition that you've got this license," Wilson says.

And, where does the patch go?

"The right sleeve of the uniform underneath the U.S. flag there, a patrol or den emblem, and then there's the unit quality award and it goes right under those three items or if you only have two of them

under the first two," Wilson says.

Wilson, who also is the volunteer coordinator for this year's K2BSA operation at the national BSA Jamboree at the Becthel Summit Reserve in West Virginia, says you can find out more at the K2BSA website.

We have a link (http://www.k2bsa.net/operator-rating) to that within this story published on our website arnewsline.org

For the Amateur Radio Newsline, I'm Mark Abramowicz, NT3V, in Philadelphia.

--

Last year the Boy Scouts of America Awards and Insignia Committee introduced the Morse Code Interpreter Strip. This based on the recommendation of the organizations National Radio Scouting Committee. (NT3V)

**

HAM HAPPENINGS: SHELBY HAMFEST RETURNS TO CLEVELAND COUNTY FAIRGROUNDS

The Shelby Hamfest is headed back to its former home at North Carolina's Cleveland County Fairgrounds. This after spending the last five years in Dallas, North Carolina.

The Shelby Hamfest moved to Dallas in 2008 after contract disagreements between the Shelby Amateur Radio Club and the Cleveland County Fair Association. That situation has now been resolved and will bring the famed hamfest back to the Fair Grounds on Labor Day weekend which this year is August 31st and September 1st.

For more information keep an eye on the events website. You will find it in cyberspace at www.shelbyhamfest.org. You can also follow the event Facebook at www.facebook.com/ShelbyHamfest. (goupstate.com, Shelby Hamfest)

**

HAM HAPPENINGS: TICKETS AVAILABLE FOR DAYTON TOPBAND DINNER

Reservations and tickets are now available for the 24th Annual Dayton TopBand dinner slated for Friday evening May 17th. This year's venue is the Presidential Ballroom of the Crowne Plaza hotel in downtown Dayton, Ohio. Social hour is at 6:15 PM and the dinner begins at 7:15 PM. All times are Eastern Daylight. Noted Top Band enthusiast Larry "Tree" Tyree, N6TR, will be this years featured speaker. More is on-line at topbanddinner.com (K3LR)

**

HAM HAPPENINGS: VIENNA WIRELESS WINTERFEST FEBRUARY 24TH

The 37th annual Vienna Wireless Winterfest takes place on Sunday, February 24th. The venue this year is the Northern Virginia Community College in Annandale, Virginia. Talk-in will be on the 146.91 repeater. For more information please visit viennawireless.org/winterfest.php (Via e-mail)

**

NAMES IN THE NEWS: W2LPT HONORED WITH QCWA 75 YEAR AWARD

Some names in the news. First up is Quarter Century Wireless Association Palm Beach Chapter member Seymour "Sy" Levine, W2LPT. He was to be presented with the prestigious 75 Year Award from QCWA National Headquarters.

W2LPT was first licensed in 1938 in New York City. The ceremony was to take place at the Veterans Administration Hospital in Riviera Beach, Florida on January 23rd. In addition to the award, Levine was also to be presented with a Life Membership in the National QCWA. (W2TMT)

**

NAMES IN THE NEWS: WAYNE MILLS, N7NG, NAMED CQ MAGAZINE DX EDITOR

Renowned DXer, DXpeditioner and contester Wayne Mills, N7NG, of Jackson, Wyoming, has been named CQ magazine's new DX Editor.

First licensed in 1953 at age 11, Mills began DXing in 1956 and went on his first DXpedition in 1985. He was part of the Zed-A-1-A team that reintroduced amateur radio to Albania in 1991, and the inaugural operation from the newly-independent Republic of Kosovo in 2008.

>From 2000 to 2007, Mills was manager of the ARRL's Membership Services Department and worked on developing the Logbook of the World electronic confirmation system. He also set several contesting records over the years, but says he considers himself much more of a DXer than a contester.

N7NG will begin writing the CQ DX column as of the magazine's April 2013 issue. Mills who was a 1999 inductee into the CQ DX Hall of Fame succeeds Carl Smith, N4AA, who has stepped down after writing the magazine's DX column for 13 years. (CQ)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

HAM RADIO IN SPACE: AMSAT-DC WORKSHOP ON PORTABLE SATELLITE GROUND STATIONS

The AMSAT-DC Group is planning a Spring Workshop on portable satellite ground stations slated to take place on Saturday, March 23, at the NASA Goddard Space Flight Center in Greenbelt, Maryland. This will a nearly all-day workshop for those who wish to learn more about satellite operations and develop their own portable ground stations.

Participants will be encouraged to bring their projects to assemble, show, and explain to others.

For more information please contact Pat Kilroy by e-mail to n8pk (at) amsat (dot) org. Registration information will be announced on or before February 15th by the AMSAT News Service and posted to the Calendar of Events at www.amsat.org (ANS, N8PK, Southgate)

**

RADIO IN SPACE: NASA TRANSMITS MONA LISA IMAGE TO ORBITER AT THE MOON

As part of the first demonstration of laser communication with a satellite orbiting the moon, scientists with NASA's Lunar Reconnaissance Orbiter program have successfully transmitted an image of the Mona Lisa to the spacecraft from Earth using only a high powered laser.

The digitized image traveled some 240,000 miles form from the Next Generation Satellite Laser Ranging station at NASA's Goddard Space Flight Center in Greenbelt, Maryland to the Lunar Orbiter Laser Altimeter instrument on the spacecraft. By transmitting the image piggyback on laser pulses that are routinely sent to track the devices position, the team achieved simultaneous laser communication and satellite location. The success of the laser transmission was verified by returning the image to Earth using the spacecraft's radio telemetry system.

Typically, satellites that go beyond Earth orbit use radio for tracking and communication. The Lunar Reconnaissance Orbiter is the only satellite in orbit around a celestial body other than Earth to be tracked by laser as well. One of many stories on this latest accomplishment can be read on-line at tinyurl.com/mona-lisa-moon (NASA, others)

**

SPACE EXPLORATION: NASA TO ADD EXPANDABLE MODULE TO THE ISS

NASA has officially signed a contract to attach an inflatable private module to the International Space Station. Under the agreement announced on January 11th, NASA will pay $17.8 million to the Nevada based private spaceflight firm Bigelow Aerospace for the company's Expandable Activity Module or BEAM which will be attached to the orbital lab as a technology demonstration.

BEAM is likely to be similar to Bigelow's Genesis 1 and Genesis 2 prototypes, which the company launched to orbit in 2006 and 2007, respectively. Both Genesis modules are 14.4 feet long by 8.3 feet wide, with about 406 cubic feet of pressurized volume.

NASA officials have said that BEAM could be on orbit about two years after getting official approval. The module will likely be launched by one of the agency's contract cargo carriers such as SpaceX or Orbital Sciences Corporation. More is on-line at tinyurl.com/new-iss-module and bigelowaerospace.com. (NASA, Bigelow Aerospace)

**

DXCC NEWS: TWO LAOS OPERATIONS GET DXCC CREDIT

ARRL Awards Branch Manager Bill Moore, NC1L, reports that the 2010 to 2011 XWPA and the current XW4XR operations from Laos have been approved for DXCC credit. Cards for those operations can now be submitted and will be counted toward your DXCC standing.

And yes, XWPA is the correct callsign. There was no number designator in it. For more background on this strange but very legitimate callsign take your web browser to http://dx-world.net/2010/xwpa-laos (DXCC, DX World)

**

DX

In other DX news, members of Verona DX Team will return to Cumura, Gunia Bissau between February 10th and March 2nd. This to help with the mission work and be operate whenever possible, They will use the call J52HF and operate on the HF bands as well as 50 MHz using SSB only. More details including QSL routing should be forthcoming.

F6AM, will be active as 5H1Z from Zanzibar through February 28th. Operations will be on 40-10 meters using CW and SSB. During his time there, he may also operate from Mafia Island, Pemba Island and an island in the AF-075 Islands On The Air group. QSL via his home callsign, direct as listed on QRZ.com or via the bureau.

N6TJ has cancelled his operation as 9Y4W from Scarborough, Tobago Island for the ARRL DX CW Contest that runs February 16th and 17th. His host on Tobago has a broken tower and there is no time to repair it before the contest.

DF7ZS will be active from Aruba possibly using the call P41P between March 26th and April 3rd including the CQ World Wide WPX SSB Contest on March 30th and 31st. Some casual operations will take place before and after the contest on 17 and 12 meters. QSL via his home callsign.

F6GWV and F6HMQ will be active as TO22C from Guadeloupe between February 17th and March 3rd. Operations will be on all bands, but with a focus on 160 meters. QSL via F6HMQ.

GM3WOJ and GM4YXI will be active signing VK9C/GM2MP from Cocos Keeling Island between March 30th and April 13th. Operation will be on SSB and CW, with some RTTY. They hope to have a real-time logging system and upload daily to Logbook of the World if conditions permit.

Lastly, AI6MS reports that will be operating portable from Ghana as 9G5MS through May. Marcel explains that he is a volunteer with the non-profit organization called 'Medicine on the Move' and will be using amateur radio in the classroom for the students from the AvTech Academy. Because of this priority will be given for QSO's will be given to schools, universities, and prescheduled contacts. QSL cards are tentatively planned and can be expected in the 2nd half of 2013 if requested. Yours goes as directed on the air.

(Above from various DX news sources)

**

THAT FINAL ITEM: THE 21ST CENTURY PHONE BOOTH EMERGES IN NYC

And finally this week, in the wake of Superstorm Sandy, the humble phone booth took on renewed importance in the Metro New York area. This as cut-off residents used pay phones to try to connect with one another during and after the emergency. Now, this old but reliable form of public communications is getting a major facelift as we hear from Amateur Radio Newsline's Cheryl Lasek, K9BIK.

--

New York City has officially launched a plan to transform pay phones into giant touch screens that provide city information, emergency broadcasts and local business deals. Located in the same places as existing phone booths, the new platforms are to be operated as a partnership between New York City, Cisco Corporation and City 24/7.

These smart screens were tested in a pilot project but now are live across the city and appear to be very reliable. Soon, there will be 250 of the new devices in all five New York City boroughs. This means that a person strolling through a given area would only have to pause a moment to tap on the public screen to find information about the closest subway or a city park. While there, he or she might also tap on the "deals" icon to bring up a list of coupons for nearby shops and restaurants that could instantly be transferred to a smartphone or other wireless device.

But maps and coupons are only one dimension of the new platforms role. Like traditional phone booths they will also serve as a communication tool during emergencies but in a far more sophisticated way. For instance, in the event of another disaster like Hurricane Sandy, the screens will become two-way distress devices that let citizens call for help or receive instructions about how to find safety.

Welcome to the phone booth of the 21st century.

For the Amateur Radio Newsline, I'm Cheryl, Lasek, K9BIK, wondering if these new public communications tools will be coming our way out here in Zion, Illinois.

--

The companies that designed the new system say that they do plan to expand to other cities in the future, but we do not know if Cheryl's hometown will be one of them. That said, lots more about this new dimension in public communications can be found at tinyurl.com/new-video-phone-booths (GIGOM.COM)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline(at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

Before we go a reminder that the Dayton Hamvention is seeking nominations for its 2013 Radio Amateur of the Year, Technical Achievement, Special Achievement and the Radio Club of the Year awards. The cutoff date to submit nominations is February 15th. More information and official nominating forms are now on-line at www.Hamvention.org/awards.PHP.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm David Black, KB4KCH, at the South-East Bureau in Birmingham, Alabama, saying 73 and we thank you for listening.

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60. Go Green: Get Digital QST Only

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-25 17:32:28 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130125164530.AD5E2255FE@bmail.arrl.org>
Source record: 220
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

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<http://www.arrl.org/qst-print-edition-opt-out-form>

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2**2**5 M**a**in Street, Newing**ton, **CT 06111-1494 USA
www.arrl.org <http://www.arrl.org>

61. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-27 01:36:49 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <ke1rli$6qr$1@dont-email.me>
Source record: 221

On 1/24/2013 1:58 PM, Tom Horne wrote:
> Jerry
>
> It seems I have a reel talent for being unclear in how I ask questions.
> I wish that I could turn that into a job skill like the people who
> right crossword puzzles but I digress. When I said Ad Hoc EOCs I was
> referring to the ones in the city halls of the existing small cities in
> the county. They don't have dedicated spaces for an EOC but they set
> one up in a meeting or conference room when they have something serious
> going down. The idea would be to set up a few wifi capable links on
> taller buildings that could be linked to some central high spot and from
> there to the county's purpose built EOC.
>
> Prince Georges county ARES is looking at installing a High Speed Multi
> Media Mesh (HSMM-MESH™) Net between their county's hospitals. We have
> Used HSMM-Mesh at one public service event already and it worked well
> there. So those of us who have already deployed it successfully in a
> field deployed application were interested in seeing if it could be used
> to cover these longer distances effectively. If it were possible to run
> Web EOC on the links that would be sufficient. We are not trying to
> restore Facebook connectivity to the people at Temporary shelter
> locations but rather to put some readily predictable places in touch
> with the EOC. Since that could be done with automatic control under
> part 97 of the rules we would not need an operator at the served
> locations.
>
> As for testing we could put LAN routers at one or more of the nodes to
> allow appropriate local use of the WAN the links would provide which
> would provide the kind of continuous use and testing that you are
> talking about. We would have to have a way to shut down the LAN routers
> when the links were needed for emergency management support.
>
> --
> Tom W3TDH
>

Tom,

Yes, I understood what you meant when you talked about "ad hoc EOC's".
But why do you think they are "ad hoc"? Perhaps because they don't have
the room for an EOC - which also means they don't have room for the
equipment. That's why hams bring equipment into these ad hoc EOC's.

As for the mesh network between hospitals. You need to be careful. For
instance, NO medical information can be transmitted in the clear (HIPAA

regulations have severe penalties for doing so) - which eliminates ham radio for transmitting this information (encryption not allowed).

As for "automatic control" - this refers to control for licensed amateur stations. It does NOT include allowing unlicensed operators to control ham transmitters. You will still need a control operator to key the transmitter - which means either someone on site or someone who can otherwise tell when the transmitter needs to be keyed.

I have to agree with Fred here. If you want to promote such a system, you should be looking at commercial technology.

--
==========
Remove the "x" from my email address
Jerry Stuckle
JDS Computer Training Corp.
jstucklex@attglobal.net
==========

62. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-27 18:38:36 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <hosag81nroddhqmop30a8dm3bmj2ig76e6@4ax.com>
Source record: 222

On Sat, 26 Jan 2013 20:36:49 EST, Jerry Stuckle
<jstucklex@attglobal.net> wrote:

>As for "automatic control" - this refers to control for licensed amateur
>stations. It does NOT include allowing unlicensed operators to control
>ham transmitters. You will still need a control operator to key the
>transmitter - which means either someone on site or someone who can
>otherwise tell when the transmitter needs to be keyed.

A non-ham can key (or the digital equivalent) a ham transmitter as
long as the control operator is "on duty and in control" to borrow, a
phrase from the radio broadcast services rules. We interpret that to
mean "in the room and aware of what's happening".

73 de K2ASP - Phil Kane
ARRL Volunteer Counsel

63. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-27 18:52:20 UTC
From: Bruce Gordon <fast@btpost.net>
Message-ID: <fast-0CB075.09514827012013@news.starband.net>
Source record: 223

In article <ke1rli$6qr$1@dont-email.me>,
Jerry Stuckle <jstucklex@attglobal.net> wrote:

>
> As for the mesh network between hospitals. You need to be careful. For
> instance, NO medical information can be transmitted in the clear (HIPAA
> regulations have severe penalties for doing so) - which eliminates ham
> radio for transmitting this information (encryption not allowed).

Whoa, that is an ultra Broad Statement, and not supported by Part 97 Rules. There was published a very compelling White Paper on Part 97 Encryption Policy last Fall, that has generated some interest. I sent a copy to a few "Friends" at FCC HQ, from the Old Days, and got some very interesting replies, that though UnOfficial, tend to lead me to believe that the White Paper is Spot On.... Maybe Phil, could expound on the issue, a bit more as He was, is, a Comms Lawyer, previously with the Commission. What say Phil, would you like to climb out on this limb?

--
Bruce in Alaska add path before the @ for email

64. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-27 22:40:42 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <25bbg81ct4ve4ineqas7t0jibgn49op511@4ax.com>
Source record: 224

On Sun, 27 Jan 2013 13:52:20 EST, Bruce Gordon <fast@btpost.net>
wrote:

> Maybe Phil, could expound on the
>issue, a bit more as He was, is, a Comms Lawyer, previously with the
>Commission. What say Phil, would you like to climb out on this limb?

Stand by on that.....

73 de K2ASP - Phil Kane

>From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

65. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 01:14:35 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <ke4itt$o0q$1@dont-email.me>
Source record: 225

On 1/27/2013 1:52 PM, Bruce Gordon wrote:
> In article <ke1rli$6qr$1@dont-email.me>,
> Jerry Stuckle <jstucklex@attglobal.net> wrote:
>
>>
>> As for the mesh network between hospitals. You need to be careful. For
>> instance, NO medical information can be transmitted in the clear (HIPAA
>> regulations have severe penalties for doing so) - which eliminates ham
>> radio for transmitting this information (encryption not allowed).
>
>
> Whoa, that is an ultra Broad Statement, and not supported by Part 97
> Rules. There was published a very compelling White Paper on Part 97
> Encryption Policy last Fall, that has generated some interest. I sent a
> copy to a few "Friends" at FCC HQ, from the Old Days, and got some very
> interesting replies, that though UnOfficial, tend to lead me to believe
> that the White Paper is Spot On.... Maybe Phil, could expound on the
> issue, a bit more as He was, is, a Comms Lawyer, previously with the
> Commission. What say Phil, would you like to climb out on this limb?
>

FCC Rules, Part 97.113 (Prohibited Transmissions)):

(4) Music using a phone emission except as specifically provided
elsewhere in this section; communications intended to facilitate a
criminal act; messages encoded for the purpose of obscuring their
meaning, except as otherwise provided herein; obscene or indecent words
or language; or false or deceptive messages, signals or identification.

There is no exception for transmission of medical or emergency data.

Doesn't seem that it could be any clearer.

White papers don't override the rules and regs.

--
==================
Remove the "x" from my email address
Jerry Stuckle
JDS Computer Training Corp.
jstucklex@attglobal.net
==================

66. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 01:14:50 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <ke4j3eohu1@dont-email.me>
Source record: 226

On 1/27/2013 1:38 PM, Phil Kane wrote:
> On Sat, 26 Jan 2013 20:36:49 EST, Jerry Stuckle
> <jstucklex@attglobal.net> wrote:
>
>> As for "automatic control" - this refers to control for licensed amateur
>> stations. It does NOT include allowing unlicensed operators to control
>> ham transmitters. You will still need a control operator to key the
>> transmitter - which means either someone on site or someone who can
>> otherwise tell when the transmitter needs to be keyed.
>
> A non-ham can key (or the digital equivalent) a ham transmitter as
> long as the control operator is "on duty and in control" to borrow, a
> phrase from the radio broadcast services rules. We interpret that to
> mean "in the room and aware of what's happening".
>
> 73 de K2ASP - Phil Kane
> ARRL Volunteer Counsel
>

Sorry, Phil, but what you interpret doesn't count. It's what the FCC interprets. However, I do agree with you that AS LONG AS A LICENSED HAM IS IN CONTROL. This can mean "in the room and aware of what's happening", as long as he can terminate the transmission (i.e. pull the power switch).

Plus, if you were to read the whole thread, the comment was that there would not have to be a ham at the location - which does match your interpretation.

--
==========
Remove the "x" from my email address
Jerry Stuckle
JDS Computer Training Corp.
jstucklex@attglobal.net
==========

67. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 02:47:29 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <gdpbg8ti7qum85dgnng3o68eqknrjmignr@4ax.com>
Source record: 227

On Sun, 27 Jan 2013 20:14:35 EST, Jerry Stuckle
<jstucklex@attglobal.net> wrote:

>There is no exception for transmission of medical or emergency data.
>
>Doesn't seem that it could be any clearer.
>
>White papers don't override the rules and regs.

"White papers" when issued by the FCC explain how they intend to
apply/interpret/enforce the rules, and are persuasive authority in
cases of litigation thereof. Sometimes they make it easier, sometimes
they make it more stringent than "black letter" rules. We use a ton
of those in procedural cases of waiver requests.

73 de K2ASP - Phil Kane
ARRL Volunteer Counsel

68. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 03:50:23 UTC
From: Foxs Mercantile <jdangus@att.net>
Message-ID: <ke4m84$6iu$1@speranza.aioe.org>
Source record: 228

On 1/27/2013 7:14 PM, Jerry Stuckle wrote:
> There is no exception for transmission of medical or emergency data.

<http://www.hhs.gov/ocr/privacy/hipaa/faq/safeguards/197.html>

Specifically:
> For example, the Privacy Rule does not require the following types
> of structural or systems changes:
>
> Encryption of wireless or other emergency medical radio communications
> which can be intercepted by scanners.

Jeff-1.0
wa6fwi

69. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 06:15:18 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <8ppbg89rkdknbdhml8u9ctlhgesj5lpkhn@4ax.com>
Source record: 229

On Sun, 27 Jan 2013 20:14:50 EST, Jerry Stuckle
<jstucklex@attglobal.net> wrote:

>> A non-ham can key (or the digital equivalent) a ham transmitter as
>> long as the control operator is "on duty and in control" to borrow, a
>> phrase from the radio broadcast services rules. We interpret that to
>> mean "in the room and aware of what's happening".

>Sorry, Phil, but what you interpret doesn't count. It's what the FCC
>interprets.

Sorry, Jerry, my error. I should have said "what the FCC has ruled
and expects those of us in the communications legal community to
spread the word when necessary". Quite often FCC rule interpretations
are buried in case decisions and advice letters.

Then again, when I was on the enforcement staff of the FCC I was one
of the people who helped formulate that specific interpretation so I
do have a "we" investment.

73 de K2ASP - Phil Kane
ARRL Volunteer Counsel

70. FCC Daily Digest 01/28/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 17:35:08 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-525838-2013.01.28-11.57.18--rec-radio-info#panix.com@info.fcc.gov>
Source record: 230
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 18 January 28,
2013

[...]

JAMES EDWIN WHEDBEE. Denied the Petition. (Dkt No. 12-91). Action by:
Deputy Chief, Mobility Division, Wireless Telecommunications Bureau by LET
TER. (DA No. 13-101). WTB http://hraunfoss.fcc.gov/edocs_public/attachmat
ch/DA-13-101A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-101A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-101A1.txt

[...]

71. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 18:28:20 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <ke5sct$ok3$1@dont-email.me>
Source record: 231

On 1/28/2013 1:15 AM, Phil Kane wrote:
> On Sun, 27 Jan 2013 20:14:50 EST, Jerry Stuckle
> <jstucklex@attglobal.net> wrote:
>
>>> A non-ham can key (or the digital equivalent) a ham transmitter as
>>> long as the control operator is "on duty and in control" to borrow, a
>>> phrase from the radio broadcast services rules. We interpret that to
>>> mean "in the room and aware of what's happening".
>
>> Sorry, Phil, but what you interpret doesn't count. It's what the FCC
>> interprets.
>
> Sorry, Jerry, my error. I should have said "what the FCC has ruled
> and expects those of us in the communications legal community to
> spread the word when necessary". Quite often FCC rule interpretations
> are buried in case decisions and advice letters.
>
> Then again, when I was on the enforcement staff of the FCC I was one
> of the people who helped formulate that specific interpretation so I
> do have a "we" investment.
>
> 73 de K2ASP - Phil Kane
> ARRL Volunteer Counsel
>

Phil,

A white paper is not the law. For Amateurs, that is Part 97.

Your interpretation is pretty meaningless. That may be how you think
the FCC is going to enforce the law today - but that's only for today.
A change in FCC staff, administration, etc. can (and in the government,
often does) change that. Heck - even pressure from Congress or other
agencies like the TSA can change that. It's happened with other
agencies all too often.

The only rules that count are Part 97.

--
==================
Remove the "x" from my email address
Jerry Stuckle
JDS Computer Training Corp.
jstucklex@attglobal.net
==================

72. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 18:28:43 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <ke5sirpaj1@dont-email.me>
Source record: 232

```
On 1/27/2013 10:50 PM, Foxs Mercantile wrote:
> On 1/27/2013 7:14 PM, Jerry Stuckle wrote:
>> There is no exception for transmission of medical or emergency data.
>
> <http://www.hhs.gov/ocr/privacy/hipaa/faq/safeguards/197.html>
>
> Specifically:
>> For example, the Privacy Rule does not require the following types
> > of structural or systems changes:
>>
>> Encryption of wireless or other emergency medical radio communications
>> which can be intercepted by scanners.
>
> Jeff-1.0
> wa6fwi
>
>

"Emergency" is the defining word here. And when you look up the
definition, it refers to a threat of an immediate loss of life.

This exception was implemented to allow Life Flight helicopters,
Ambulances, etc. to be able to communicate with the hospital.

--
==================
Remove the "x" from my email address
Jerry Stuckle
JDS Computer Training Corp.
jstucklex@attglobal.net
==================
```

73. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 19:13:17 UTC
From: jimp@specsol.spam.sux.com
Message-ID: <ucuit9-spf.ln1@mail.specsol.com>
Source record: 233

Jerry Stuckle <jstucklex@attglobal.net> wrote:
> On 1/28/2013 1:15 AM, Phil Kane wrote:
>> On Sun, 27 Jan 2013 20:14:50 EST, Jerry Stuckle
>> <jstucklex@attglobal.net> wrote:
>>
>>>> A non-ham can key (or the digital equivalent) a ham transmitter as
>>>> long as the control operator is "on duty and in control" to borrow, a
>>>> phrase from the radio broadcast services rules. We interpret that to
>>>> mean "in the room and aware of what's happening".
>>
>>> Sorry, Phil, but what you interpret doesn't count. It's what the FCC
>>> interprets.
>>
>> Sorry, Jerry, my error. I should have said "what the FCC has ruled
>> and expects those of us in the communications legal community to
>> spread the word when necessary". Quite often FCC rule interpretations
>> are buried in case decisions and advice letters.
>>
>> Then again, when I was on the enforcement staff of the FCC I was one
>> of the people who helped formulate that specific interpretation so I
>> do have a "we" investment.
>>
>> 73 de K2ASP - Phil Kane
>> ARRL Volunteer Counsel
>>
>
> Phil,
>
> A white paper is not the law. For Amateurs, that is Part 97.
>
> Your interpretation is pretty meaningless. That may be how you think
> the FCC is going to enforce the law today - but that's only for today.
> A change in FCC staff, administration, etc. can (and in the government,
> often does) change that. Heck - even pressure from Congress or other
> agencies like the TSA can change that. It's happened with other
> agencies all too often.
>
> The only rules that count are Part 97.

Umm, no.

Like all other law, case law also counts.

74. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-28 23:26:34 UTC
From: techie@w6yx.stanford.edu
Message-ID: <ke6u1g$56k$1@usenet.stanford.edu>
Source record: 234

In article <kdrvug$h1r$1@dont-email.me>, Tom Horne <hornetd@gmail.com> wrote:
>
>The idea would be to set up a few wifi capable links on
>taller buildings that could be linked to some central high spot and from
>there to the county's purpose built EOC.

Why not just run 802.11a/g/n links under part-15 rules, and stay out of
part 97 altogether? I can't see any advantages to doing this under part 97,
and several disadvantages.

Ubiquiti gear is inexpensive, and not at all difficult to deploy.

>As for testing we could put LAN routers at one or more of the nodes to
>allow appropriate local use of the WAN the links would provide which
>would provide the kind of continuous use and testing that you are
>talking about. We would have to have a way to shut down the LAN routers
>when the links were needed for emergency management support.

Just put a webcam or two at each location, pointed at something interesting,
like a freeway interchange or other congestion point.

--
-- Welcome My Son, Welcome To The Machine --
Bob Vaughan | techie@{w6yx|tantivy}.stanford.edu | techie@tantivy.net
AF6RR | P.O. Box 19792, Stanford, Ca 94309 | 1-650-469-3850
-- I am Me, I am only Me, And no one else is Me, What could be simpler? --

75. Re: Portable Microwave units for Emergency Communications

Newsgroup: rec.radio.amateur.moderated
Date: 2013-01-29 02:16:07 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <uabeg8l365oagek5nc44tdldormhosmqk4@4ax.com>
Source record: 235

On Mon, 28 Jan 2013 18:26:34 EST, techie@w6yx.stanford.edu (Bob Vaughan) wrote:

>Why not just run 802.11a/g/n links under part-15 rules, and stay out of
>part 97 altogether? I can't see any advantages to doing this under part 97,
>and several disadvantages.

Advantage = external antenna with higher power, or so I'm told.

>Just put a webcam or two at each location, pointed at something interesting,
>like a freeway interchange or other congestion point.

And a poster with the ham station callsign! <G>

My counterpart at one of our sister hospitals 100 miles away - who does not take "no" for an answer - has been pushing MESH for our hospital group. He is the EC for his county and has had some success with it there. In spite of his "recommendation" I always have to remind him that our group hospitals can barely work each other on 2-meters and at some of our locations more antennas and cables (and radios in the packed consoles) cannot be added. I don't want to confuse him with facts.

76. The ARRL Letter for January 31, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-01 01:43:35 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130131213239.B663726D260@bmail.arrl.org>
Source record: 236
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

January 31, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + ARRL Board of Directors Convenes in New Orleans for 2013 Annual
Meeting
- + NASA to Honor Fallen Astronauts this Friday
- + FCC Denies Missouri Ham's Petition Regarding CC&Rs
- Solar Update
- + Silent Key: Former ARRL New England Division Director John
Sullivan, W1HHR (SK)
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + ARRL BOARD OF DIRECTORS CONVENES IN NEW ORLEANS FOR 2013 ANNUAL
MEETING

The ARRL Board of Directors held its 2013 Annual Meeting January
18-19, 2013 in New Orleans, Louisiana, under the chairmanship of
President Kay Craigie, N3KN. The Board welcomed two newly elected
members to the Board family: Hudson Division Director Mike Lisenco,
N2YBB, and Northwestern Division Vice Director James Pace, K7CEX;
Lisenco and Pace were elected in November 2012. At its meeting, the
Board set its legislative objectives for the 113th Congress, approved
the organization's amended financial plan, elected members to the
Executive Committee and ARRL Foundation, bestowed awards and more. Read
more here
<http://www.arrl.org/news/arrl-board-of-directors-convenes-in-new-orleans-for
-2013-annual-meeting>.

==> + NASA TO HONOR FALLEN ASTRONAUTS THIS FRIDAY

On Friday, February 1 -- the 10th anniversary of the Columbia accident
-- NASA will pay tribute to the crews of Apollo 1
```

<http://www.nasa.gov/externalflash/DOR2013/apollo1/apollo1.html> and space shuttles Challenger <http://www.nasa.gov/externalflash/DOR2013/challenger/challenger.html> and Columbia <http://www.nasa.gov/externalflash/DOR2013/columbia/columbia.html> with a Day of Remembrance <http://www.nasa.gov/home/hqnews/2013/jan/HQ_M13-021_NASA_Day_Remembrance.html>.
Flags across the agency will be flown at half-staff in their memory.

On January 27, 1967, Virgil "Gus" Grissom, Edward White and Roger Chaffee were killed in the Apollo 1 fire during a launch pad test. On January 28, 1986, Greg Jarvis, Ronald McNair, Ellison Onizuka, Judith Resnik, Michael Smith, Dick Scobee and Christa McAuliffe were killed when the space shuttle Challenger exploded just 73 seconds into its flight. On February 1, 2003, Rick Husband, William McCool, Michael Anderson, Kalpana Chawla, KD5ESI, David Brown, KC5ZTC, Laurel Clark, KC5ZSU, and Ilan Ramon -- were killed when the space shuttle Columbia disintegrated. According to ARISS International Chairman Frank Bauer, KA3HDO, Chawla served as the Astronaut Interface -- the liaison between NASA and the Amateur Radio on the International Space Station (ARISS <http://ariss.rac.ca/oindex.htm>) program -- before being selected for her mission on board Columbia.

NASA Administrator Charles Bolden and other NASA senior officials will hold an observance at Arlington National Cemetery on Friday morning, while NASA Television <http://www.nasa.gov/ntv> will provide live coverage of a wreath-laying ceremony at the Space Mirror Memorial <http://www.kennedyspacecenter.com/astronaut-memorial.aspx>, located in the Kennedy Space Center Visitor Complex in Florida, beginning at 10 AM (EST). You can watch live online <http://www.nasa.gov/multimedia/nasatv/index.html> on the NASA TV Public and Media channels, or on your television. Contact your local provider for the NASA TV channel in your area.

==> + FCC DENIES MISSOURI HAM'S PETITION REGARDING CC&RS

On January 28, the FCC denied a Petition for Reconsideration (PFR) filed by James E. Whedbee, N0ECN, of Gladstone, Missouri. Whedbee filed the PFR in May 2012 in response to the FCC denying his Petition for Declaratory Ruling (PDR) filed in April 2012 that urged the FCC to address covenants, conditions and restrictions (CC&Rs).

In his PDR, Whedbee argued that CC&Rs restrict Amateur Radio facilities in violation of Section 310(d) of the Communications Act of 1934, as amended. He also asserted that there is a "controversy of CCR enforcement against Amateur Radio operators," and "requested a declaratory ruling terminating the controversy by holding that such CC&Rs are unenforceable."

The FCC concluded that the Mobility Division "properly acted" on Whedbee's PFR: "Given the opportunity for public comment already

afforded by the Public Notice and the opening of GN Docket No. 12-91, and in light of the pendency (and later release) of the Commission's report to Congress and the statutory purpose of that report, your Petition was moot, premature, repetitive and frivolous." Read the FCC's letter to Whidbee here <http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db0125/DA-13-101A1.pdf>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: The sunspot numbers and the solar flux barely changed this past week: The average daily sunspot numbers were 55.7, down slightly from 56.4 the previous week, while the average daily solar flux was 98.7, down from 110.7. Geomagnetic conditions continued their quiet spell. The most active day was Saturday, January 26, when both the mid-latitude and planetary A index were 18, and Alaska's College A index was 46. The predicted solar flux is 100 for January 31-February 1, 105 on February 2-5, then 110, 120, 130 and 125 on February 6-9, 120 on February 10-11, then 115, 110 and 105 on February 12-14, 110 on February 15-18, and back down to 105 on February 19-23. The predicted planetary A index is 5 on January 31-February 4, 8 on February 5-6, 5 on February 7-8, 8 on February 9-10, 5 on February 11-18, 8 on February 19, 5 on February 20-21, then 15, 10 and 8 on February 22-24. Look for more on the ARRL website on Friday, February 1. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + SILENT KEY: FORMER ARRL NEW ENGLAND DIVISION DIRECTOR JOHN SULLIVAN, W1HHR (SK)

John "Sully" Sullivan, W1HHR, of Columbia, Connecticut, passed away <http://potterfuneralhome.com/?p=523> November 12, 2012. He was 83. An ARRL Life Member, Sullivan served as ARRL New England Division Director from 1975-1985. He was a veteran of the US Navy. A private service was held November 16 in Willimantic, Connecticut.

==> THIS WEEK IN RADIOSPORT

This week:

- February 1 -- NCCC Sprint Ladder
- February 2 -- Minnesota QSO Party; AGCW Straight Key Party
- February 2-3 -- Vermont QSO Party; Mexico RTTY International Contest; 10-10 International Winter Contest (SSB); Black Sea Cup International; EPC WW DX Contest
- February 2-4 -- Delaware QSO Party
- February 3 -- North American Sprint (CW)

Next week:

- February 8 -- NCCC Sprint Ladder
- February 8-10 -- YLRL YL-OM Contest

- February 9 -- Asia-Pacific Spring Sprint (CW); FISTS Winter Sprint
- February 9-10 -- New Hampshire QSO Party; Louisiana QSO Party; CQ WW
RTTY WPX Contest; YL-ISSB QSO Party (CW); KCJ Topband Contest; Dutch
PACC Contest; OMISS QSO Party; RSGB First 1.8 MHz Contest; AWA
Amplitude Modulation QSO Party
- February 10-11 -- Classic Exchange (Phone)
- February 11-15 -- ARRL School Club Roundup
<http://www.arrl.org/school-club-roundup>
- February 13 -- NAQCC Straight Key/Bug Sprint
- February 13-14 - CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest
Branch page <http://www.arrl.org/contests>, the ARRL Contest Update
<http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest
Calendar <http://www.hornucopia.com/contestcal/index.html> for more
information. Looking for a Special Event station? Be sure to check out
the ARRL Special Event Stations web page
<http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- February 2 -- ARRL South Carolina State Convention
<http://www.arrl.org/hamfests/south-carolina-state-convention-2>, North
Charleston, South Carolina; ARRL Virginia State Convention
<http://www.arrl.org/hamfests/virginia-state-convention-frostfest-1>,
Richmond, Virginia
- February 8-10 -- ARRL Southeastern Division Convention
<http://www.arrl.org/hamfests/southeastern-division-convention-orlando-hamcat
ion-1>,
Orlando, Florida
- February 15-16 -- ARRL Arizona State Convention
<http://www.arrl.org/hamfests/arizona-state-convention-yuma-hamfest-1>,
Yuma, Arizona
- February 16 -- ARRL Arkansas State Convention
<http://www.arrl.org/hamfests/arkansas-state-convention-winterfest>,
Hoxie, Arkansas
- February 23 -- ARRL Vermont State Convention
<http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>,
South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention
<http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfe
st-1>,
Claremore, Oklahoma; ARRL Louisiana Section Convention
<http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annu
al-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention
<http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,
Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-pa
trick-s-day-hamfest>,

Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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77. Amateur Radio Newsline(tm) Report 1851 - February 1 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-01 10:00:13 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130201100003.AE79833C68@panix2.panix.com>
Source record: 237
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1851 - February 1 2013

Amateur Radio Newsline report number 1851 with a release date of February 1 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. The FCC turns down a petition for reconsideration on its report to Congress about ham radio emergency communications; The 2013 Global Amateur Radio Emergency Conference to be held this June in Zurich, Switzerland and ham radio assistance in the Australian flooding begins as Tasmanian brush fire communications winds down. Find out the details are on Amateur Radio Newsline(tm) report number 1851 coming your way right now.

(Billboard Cart Here)

**

RADIO LAW: PETITION FOR RECONSIDERATION FROM DENIAL OF PETITION FOR DECLARATORY RULING GN DOCKET NO. 12-91 DENIED

The FCC has turned down a petition for reconsideration on the text of its report to Congress dealing with amateur radio and how land use restrictions might interfere with emergency communications. Mark Abramovich, NT3V, is here with the details:

--

The FCC's Scot Stone, deputy chief of the mobility division in the Wireless Telecommunications Bureau, responded to the petition from James Whedbee, N0ECN, of suburban Kansas City.

And, Stone's legal language was pretty direct - essentially, the matter is decided and Whedbee should stop wasting the FCC's time.

In his reasoning for refusing Whedbee's petition, the FCC's Stone says the division which rejected his first appeal of the matter was within its rights to do so without any further public hearing.

Stone also stated in legal terms that Whedbee engaged in a "frivolous statutory interpretation," of the FCC's regulations, especially those stemming from PRB-1 which authorized limited preemption of state and local regulations governing amateur station facilities, including antennas and support structures.

But those regulations don't extend to private codes, covenants and restrictions, known as CC&Rs, including homeowner association rules that restrict amateur radio facilities.

However, in 2001, the FCC left open the door on prohibiting CC&Rs from interfering with amateur radio if Congress so decided it should do so.

This latest chapter in the ongoing debate was launched in February 2012 when President Obama signed the Middle Class Tax Relief and Job Creation Act of 2012.

That bill also included a provision requiring the FCC to report to Congress on the uses and capabilities of Amateur Radio Service communications in emergencies and disaster relief.

It also directed the study identify impediments to enhanced Amateur Radio Service communications and make recommendations regarding the removal of such impediments, including "the effects of unreasonable or unnecessary private land use restrictions on residential antenna installations."

The FCC record shows Whedbee filed comments pretty quickly claiming CC&Rs violated sections of the Communications Act.

He also demanded the commission issue a legal decision called a declaratory judgement - essentially asking the FCC to rule without any further hearings or delays that CC&Rs were indeed an impediment to amateur radio operations, causing a controversy for amateur radio and were unenforceable.

The FCC denied Whedbee's petitions saying that was going to be addressed in its report to Congress.

But Whedbee kept at it, asking the FCC to reconsider.

When the FCC issued its report to Congress last August, it stated there was no overwhelming public comment supporting any problems related to CC&Rs and amateur radio.

The FCC's Stone finally addressed Whedbee's appeal petition in a January 25th letter in which he explained the report to Congress essentially trumped Whedbee's appeal and rendered the matter - using a legal term - moot or essentially of little value or meaning given the FCC's findings in the report to Congress.

Amateur Radio Newsline made several attempts to reach Whedbee, but was unsuccessful as we went to air with this report.

For the Amateur Radio Newsline, I'm Mark Abramowicz, NT3V, in Philadelphia.

--

At airtime it's not known if Whedbee plans to file any further appeals on this matter. You can read the entire text of this FCC decision on-line in PDF format at tinyurl.com/petition-turned-down. (FCC)

**

RESCUE RADIO: GAREC 2013 TO BE IN GENEVA JUNE 25 - 28

IARU Region One has announced that this years Global Amateur Radio Emergency Conference or GAREC 2013 will be held in Zurich, Switzerland from June 25th to 28th. Among the draft topics to be discussed are the relevance of Amateur Radio Emergency Communication in the '1st World,' and the HAMNET high speed data network. There will also be presentations from the three regions of the IARU and talks by groups with recent experience in disaster relief communications.

General information on GAREC 2013 including information on the venue, registration fees and the tentative agenda and the registration forms is now available on line at www.garec2013.ch. This website will be updated frequently to keep all updated with the latest news and program changes. You may also e-mail to info (at) garec2013 (dot) ch for updates.

It should be noted that this years conference has been timed to precede Europe's largest amateur radio exhibition, HAM RADIO in Friedrichshafen. Germany. This is so that people can attend both events. (IARU-R1)

**

RESCUE RADIO: WICEN HAMS RESPOND TO FLOODING DOWN UNDER

Flooding has hit the Australian state of Queensland. This as ex-tropical cyclone Oswald that had already caused record flooding has moved south.

Jim Linton, VK3PC, is the Chairman IARU Regon 3 Disaster Communications Committee. He tells Amateur Radio Newsline that as this disaster unfolds that a picture of emergency communications provided by radio amateurs is starting to emerge. According to Linton, several High Frequency links have been requested to be set up by the ham radio emergency response group WICEN by the Queensland Water Police. These links are to connect the city of Brisbane to Cairns. WICEN's role is expected to expand in the coming days.

As this newscast is being prepared, four people are reported to have died and others are reported missing. Many thousands have been left homeless and taking shelter in relief centers as the widespread flooding, which included tornados, is continuing. (VK3PC)

**

RESCUE RADIO: WICEN TASMANIAN BUSH FIRES OPERATIONS END

Meantime, ham radio assistance by WICEN in the Tasmanian brush fires has now come to an end as we hear in this report from the Wireless Institute of Australia's ham radio news service:

--

WICEN in Tasmania was finally stood down after 20 continuous days of operation at the Incident Management Centre at Cambridge, near Hobart airport. Operations have now been wound back.

WICEN was posted by the Tasmania Fire Services to mainly control the busy 80MHz radio traffic during massive fires.

Although those the major fires, which started on the 3rd of January on the Tasman Peninsula and in the Derwent Valley, are still active, one being classified as contained and the other controlled.

The days serviced by WICEN and other southern Tasmanian radio amateurs varied between 12 and 24 hours.

WICEN Tasmania (South) Operations Coordinator Rod Finlayson VK7TRF reports that 24 radio amateurs contributed to the effort, totalling 666 hours at the radio desk, plus time in logistical support keeping up the supply of operators to the task.

Seven operators did in excess of 45 hours each, including three more than 60 hours and one working a total of almost 80 hours. Initially there were two operators on each of the two networks, but this was wound back to one after ten days.

--

For those who may not be aware, WICEN is an acronym for the Wireless Institute Civil Emergency Network. It is described as a group of Australian amateur radio operators trained to assist in emergency situations. Their job is to provide emergency and safety communications when normal communications do not exist or are inadequate. (WIA News, VK3PC)

**

BREAKING DX NEWS: MARION ISLAND TO BE ON BY SUMMER

Some breaking news in the world of DX. Marion Island should be on the air before the start of summer in the Northern latitudes. This according to reports that South African radio amateur David Hartzenberg, ZS1BCE, has been appointed to be the new radio technician to that rare location for one year between April of this year and May of 2014.

Hartzenberg is expected to depart from Cape Town on April 15th, and his amateur radio operations are expected to begin about four weeks later. Currently, he does not have a Zed-S-8 callsign, but plans to apply for ZS8D. Once set up, his operations will be on SSB on most High Frequency bands.

And less we forget to mention: His QSL Manager will be Pierre Tromp, ZS1HF, who just happens to have been the last operator from Marion Island using the call ZS8M. And we will have more DX news for you near the end of this weeks newscast. (OPDX)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including WMRP Low Power FM serving Mundy Township south of Flint, Michigan.

(5 sec pause here)

**

RADIO LAW: NEW RECOMMENDATION ON PLASMA TV EMISSIONS IN EUROPE

Tired of hearing this when you tune your favorite ham radio band?

--

Plasma TV radiation audio here

--

That's the sound made by a near-by plasma television set. And now Europe is starting to set some standards to make it a thing of the past

Thilo Kootz, DL9KCE, in Wabern, Germany reports that a European specification or recommendation on the limitation of the emissions of plasma TVs between 150 kHz and 30 MHz. One that was approved in the last meeting of the Comit&#65533; International Sp&#65533;cial des Perturbations Radio&#65533;lectriques.

Even though it does not have the same legal implications as a regular Electromagnetic Compatibility standard, it does show the plasma industry what could be part of one in the future. It should be noted that this new recommendation is the result of work started in 2007 by an Electromagnetic Compatibility working group of IARU Region One. (Southgate, IARU-R1)

**

ENFORCEMENT: FCC ISSUES $8000 NAL FOR EAS VIOLATION

A noncommercial FM station in Puerto Rico has been dinged $8000. This after the FCC found that it was incapable of issuing an EAS alert without human intervention.

Based on a complaint that it received, last April agents from the Commission's San Juan office inspected WVID FM in Anasco, Puerto Rico. At that time the station personnel demonstrated to the agents that the EAS equipment couldn't transmit an emergency message without someone manually reducing the on-air programming volume down to zero or mute. The station employee also told the agents that he believed the equipment had needed manual intervention since at least September 2011.

Now in issuing the proposed monetary forfeiture, the FCC notes that all stations must ensure that EAS encoders, decoders, attention signal generating and receiving equipment is installed and operational so that the monitoring and transmitting functions are available when the station is operating. When a station is unattended, the rules require stations to use automatic systems to interrupt programming to transmit

an alert. WVID is only staffed from 6 a.m. to 7 p.m. and unattended overnight.

Centro Colegial Cristiano is the owner of WVID FM and was given the customary 30 days to appeal or pay the fine. It also has the same amount of time to submit a sworn statement to the San Juan office certifying that its EAS equipment is now fully operational when the station is unattended. (FCC, RW)

**

RESCUE RADIO: NPR LABS HOPES TO DEVELOP EMERGENCY ALERT RADIO FOR THE DEAF

A new way to alert the deaf and hard of hearing to oncoming disaster situations may soon be on its way. Amateur Radio Newsline's Heather Embee, KB3TZD, is here with the details:

--

The trade newsletter Radio World reports that NPR Labs personnel hope to begin a project that demonstrates an emergency alerting system for the deaf and hard-of-hearing population in the United States. This, using broadcast radio as the transmission medium.

The end goal of this research is to develop a deaf-accessible radio receiver with a large text display and bright flashing lights. This in turn could alert the user of a potential threat to life and property.

Rich Rarey is the NPR Labs Manager of Strategic Technology Applications. He told Radio World that there are currently some AM radios with aural warnings and FM H-D receivers that have very small text displays but without accessible warning mechanisms. He says that the aim of NPR Labs is to create a receiver that is useful for deaf and hard-of-hearing people, which will also be helpful for alerting the general public as well.

For the Amateur Radio Newsline, I'm Heather Embee, KB3TZD, in Berwick, Pennsylvania.

--

You can read the entire report of this potentially life saving project on-line at tinyurl.com/emergency-alerts-for-the-deaf (RW)

**

RADIO LAW: PODCAST IS A PATENTED TERM OWNED BY PERSONAL AUDIO LLC

If you are a podcaster or thinking of becoming a podcaster, even on a very small scale, then its worth your time to read an article on who owns the rights to the term podcasting that appeared in a recent issue of the chron dot com business report.

In a nutshell, it appears as if the term podcast is not generic as most people might think. Rather it is a patented system owned by a company called Personal Audio LLC that developed it and other internet streaming back in 1996. And now Personal Audio LLC has decided to assert its rights by going after both podcast content creators as well as podcast distributors.

So far it has won every case that has gone to trial. Even Apple has lost to them. In that case a jury awarded Personal Audio LLC an $8 million judgment plus $4 million in interest for infringing on the company's The Playlist Patent.

So if you run a podcast or are thinking of creating one, you might want to take a few moments to read the story at tinyurl.com/podcast-patent and then talk to a knowledgeable patent attorney before proceeding or continuing your podcasting journey. It could theoretically save you every penny that you have ever will make or have saved. (chron.com)

**

RADIO LAW: MAN WHO POINTED LASER AT AIRCRAFT ARRESTED

The San Francisco Chronicle reports that an unnamed Oakland resident has been arrested for allegedly shining a laser at two aircraft hovering over the scene of a shooting on Monday, January 21st.

The 40-year-old man is alleged to have aimed a red laser several times at a KGO television helicopter as it flew about 1,000 feet over the scene of the incident in which an undercover Oakland officer was shot in the arm. The man is also alleged to have shined the laser at a California Highway Patrol fixed wing aircraft that was circling at about 3,500 feet. Thankfully no one aboard either aircraft was injured.

Under Title 18 Sub-part 39A, whoever knowingly aims the beam of a laser pointer at an aircraft in the jurisdiction of the United States, or at the flight path of such an aircraft, shall be fined or imprisoned for up to 5 years, or both. (Media News)

**

RADIO LAW: COALITION PUSHES FCC TO RECLAIM AT LEAST 120 MHZ OF BROADCAST SPECTRUM

The coalition of broadcasters willing to sell spectrum rights has grown to 39 major market stations. This according to comments filed to the FCC by the Expanding Opportunities for Broadcasters Coalition. The trade group also wants the regulatory agency to make the auction as attractive as possible by not limiting wireless bidders or which stations can share spectrum.

The coalition was formed because the principal broadcast trade association, the National Association of Broadcasters, is focusing on making sure the auctions hold harmless broadcasters who are not selling and want to remain in the business. The coalition members don't have

to identify themselves publicly because of the obvious competitive and operational issues related to publicizing their willingness to sell. However they are reportedly pushing the FCC to reclaim at least 120 MHz of spectrum.

The deadline for comments on the FCC's framework for broadcast incentive auctions was January 25th. Reply comments are due in March. (B&C)

**

NAMES IN THE NEWS: CQ APPOINTS AA6TS AS NEW INTERNATIONAL EDITOR

CQ magazine will be adding a monthly international news column called CQ World Wide as of its April edition. The new column will be coordinated by new International Editor Tom Smerk, AA6TS. Smerk lives in Dulzura, California and has been active in ham radio since 1988. He is active in ARESr, SKYWARNr, RACES, California Disaster Corps and CERT, and is a volunteer examiner as well. For the past 25 years, he has taught business information technology for the San Diego Community College District. Hams with news of events and activities outside the United States can contact Smerk by e-mail to aa6ts (at) cq-amateur-radio (dot) com. (CQ)

**

HAM HAPPENINGS: QCWA DAYTON BANQUET ANNOUNCED

More Dayton Hamvention related news this week. This in the announcement by the Quarter Century Wireless Association that it will be holding QCWA Banquet: on Friday May 17th at the Dayton Airport Holiday Inn. The dinner begins at 7:30 p.m. Eastern Daylight Time . The after dinner speaker will be James Crabtree with a presentation on Lincoln. Cost is $25 per person. Reservations and payment go to Jerry Ragland, WA8BOB, 409 Park Av. Franklin, Ohio, 45005. (WB8IFM)

**

HAM HAPPENINGS: 39th ANNUAL EASTERN VHF/UHF/MICROWAVE CONFERENCE APRIL IN CT.

Registration is now open for the 39th annual Eastern VHF/UHF and microwave conference to be held April 26th to the 28th at the Baymont Inn and Suites in Manchester, Connecticut. This years program includes numerous talks and presentations for those who enjoy operating in the world above 50 MHz. This yearly get together is sponsored by the North East Weak Signal Group. More information including registration and hotel information can be found at www.newsvhf.com/vhfconf.html (W1GHX, VHF Reflector)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

EMERGING TECHNOLOGY: ADAPTING RFID TO IDENTIFY AND MONITOR HUMAN ACTIVITY

Australia's University of Adelaide computer scientists are leading a project to develop a novel sensor system to aid senior citizens. One that would help older people to keep living independently and safely in their own homes. Amateur Radio Newsline's Bruce Tennant, K6PZW, is here with the details:

--

To accomplish this far reaching goal of aiding the senior citizen community, researchers down-under are adapting radio frequency identification better known as RFID sensor technologies to automatically identify and monitor human activity. This in turn makes it possible to determine if an individual's normal routine is being maintained so that timely assistance can be provided if it is needed.

Although RFID technology has been around since World War II and is in common use today in applications such as anti-shoplifting and vehicle identification at toll road collection points, its potential use in interpreting human activity remains largely in the laboratory.

The chief investigator for this project is Dr. Michael Sheng at he University of Adelaide. He says that work will be among the first few projects in the world conducting large-scale common-sense reasoning in automatic human activity recognition. In addition the system will be low-cost and unobtrusive, and without the privacy issues and intensive monitoring of video surveillance. There will be no need for older people to wear anything or turn anything on or off.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW. In Los Angeles.

--

The technology will be first investigated in a laboratory setting and then in hospital trials with geriatric patients. More aboiut this possible new use for RFID is on line at tinyurl.com/senior-citizen-RFID (Radio Comms E-zine, VK7WI News)

**

HAM RADIO IN SPACE: NEW ANIMATED UK VIDEO FEATURES UKUBE-1 AND FUNCUBE

A new animated video has been released that tells the story pf the UK Space Agency's first CubeSat UKube-1 slated to launch in the 3rd

quarter of 2013. UKube-1 will carry a set of AMSAT-UK FUNcube transponder boards to provide a 435 to 145 MHz linear transponder and a 1200 bps BPSK beacon for educational outreach. For more information on FUNcube and a link to the video please take your web browser to www.amsat-uk.org (AMSAT-UK, Southgate)

**

WORLDBEAT: SARL ANTENNA DEFENSE FUND GETS A MAJOR BOOST

The South Africa Radio League's Antenna Defense Fund increased to 37,100 Rand which equates to 4100 U.S. dollars. This, on its way to its 50000 Rand or 6000 U-S dollar target.

The funds first contribution from industry came from the Radio Accessories and Data Modems Company which made 6000 Rand donation to the fund. As previously reported, this fund is to assist South African hams facing antenna restrictions and the like. (SARL)

**

WORLDBEAT: PH00ZWAT ON THE AIR UNANNOUNCED FROM FLEVOLAND

Shortwave radio writer Kim Andrew Elliott advises that a special short term amateur radio station with the callsign P-H-00-Z-W-A-T was active January 26th and 27th UTC time. This from the former Radio Nederlands Flevoland antenna site near the town of Zeewolde in the Netherlands.

The operators were reported to be using relatively low power feeding the various curtain type directional arrays at 120 meters height on the various High Frequency amateur radio bands.

According to Jonathan Marks, G8WGN, there have been several events like this. The first was in February 1985 when special event station PA6FLD took to the airwaves. Video of that operation was included in the ARRL film "The New World of Amateur Radio" produced and hosted by the late Roy Neal, K6DUE. (G8WGN via Critical Distance Weblog)

**

DX

In DX, word that W1USN, AA1M and W1SSR will be on the air stroke PJ2 from Curacao between March 8th and the the 22nd. Their activity will be on 160 through 10 meters using CW, SSB, PSK and RTTY. QSL via their home callsigns either direct or by the bureau.

Members of the Westnet DX Group will once again be active as EJ7NET from the Aran Islands between May 10th and the 15th. Operations will be on all HF bands and modes. QSL via Logbook of thr World or direct to EI6FR. No eQSL or bureau QSLs will be accepted for this operation.

DF7ZS will again be on the air from Aruba between March 26th and April 3rd. Activity will include the CQ World Wide WPX SSB Contest from March 30th to the 31st as a Single-Operator All-Band entry. Some casual

operations will take place before and after the contest on 17 and 12 meters. QSL via his home callsign.

PA0FAW says that he will be operating with the special callsign PF100ZOO between February 1st and the 28th. This activity is to commemorate the 100th anniversary of the Arnhem Zoo. Operations will mainly be CW and SSB, with some digital modes. QSL via PA0FAW either direct, via the bureau or electronically using eQSL. SWL reports are also welcome and appreciated.

TU5KG is once again traveling through the South Indian Ocean on a fishing boat. As in past years, he will be sailing in both the Kerguelen and Crozet Island regions, and may activate the islands if he goes ashore) using his new callsigns. These are FT5XT for Kerguelen and FT5WQ for Crozet. When at sea he will sign TU5KG maritime mobile. QSL via F4DXW, direct only.

Lastly, ten operators from the Oceania DX Group will be operational from Norfolk Island between May 3rd and the 13th as VK9NT. The group plans to have 4 stations covering all bands 80-10 meters on CW, SSB and RTTY. An Online QSL Request Service will be available for bureau and direct cards on ClubLog which is the preferred method or direct to VK2CA.

(Above from various DX news sources)

**

THAT FINAL ITEM: 15 YEAR OLD INVENTOR FROM SIERRA LEONE VISITS MIT

And finally this week, the story of a young inventor who is already leaving a very positive mark on society. Here's David Black. KB4KCH, with the rest of the story:

--

Kelvin Doe is not a ham radio operator but he is being called the wonder kid of Sierra Leone and with good reason. This is because the 15 year old who recently won a trip to visit the Massachusetts Institute of Technology taught himself how to build generators, batteries, and FM radios using parts he found in the trash.

In the best tradition of the maker and hacker movement he does it using things that would otherwise have been thrown out and, with almost no formal training, turns them into useful products.

Doe's inventions are especially valuable in his hometown where, according to Kelvin, the lights there only turn on "about once a week." Kelvin builds batteries and generators to provide electricity for his family. He also uses his home made gear to operate a successful radio station where he is known as DJ Focus.

Kelvin says he hopes to use his radio station as a way for the youth in Sierra Leone to debate about issues in their area. He says he plans to

build a windmill generator to provide more stable electricity for his town.

Kelvin Doe visited MIT as part of the university's Visiting Practitioners Program. The Syllabus allows inventors to use MIT's plentiful resources and perform their own research in the schools labs.

Kelvin Doe became the youngest ever Visiting Practitioner after winning the Innovate Salone Challenge. Innovate Salone runs a program that asks young citizens of that nation to creatively come up with solutions to problems facing their community.

>From the South-East Bureau in Birmingham Alabama, I'm David Black, KB4KCH.

--

In our view, its young people like Kelvin Doe, who will be the ones who will truly advance all of mankind in the years and decades to come, and the world really needs a lot more like him. (StarAfrica.com)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline(at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

Before we go, a note to those of you who obtain these newscasts over the 661-296-2407 dial up line. While we have decided to keep it in service a while longer, it will be down for equipment maintenance from Febdruay 4th to the 12th or there-abouts. Parts are getting really scarce for the antique gear used to feed the phone line, so we must do what we can to keep things going. If you are a phone access user, please make alternate arrangements to obtain the newscast until we can return the system to operation.

Also a reminder that the Dayton Hamvention is seeking nominations for its 2013 Radio Amateur of the Year, Technical Achievement, Special Achievement and the Radio Club of the Year awards. The cutoff date to submit nominations is February 15th. More information and official nominating forms are now on-line at www.Hamvention.org/awards.PHP.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Damron, N8TMW, in Charleston, West Virginia, saying 73 and we thank you for listening.

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78. FCC Daily Digest 02/01/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-01 17:57:51 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-525958-2013.02.01-12.19.59--rec-radio-info#panix.com@info.fcc.gov>
Source record: 238
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)
Daily Digest

Vol. 32 No. 22 February 01
, 2013
* * * * *

[...]

PROMOTING EXPANDED OPPORTUNITIES FOR RADIO EXPERIMENTATION AND MARKET TRIA
LS UNDER PART 5 OF THE COMMISSION'S RULES AND STREAMLINING OTHER RELATED RU
LES. The Commission adopts Report and Order that makes significant change
s to its Part 5 Experimental Radio Service Rules. (Dkt No. 06-155 10-236)
. Action by: the Commission. Adopted: 01/31/2013 by R&O. (FCC No. 13-15).
OET http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A2.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A3.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A4.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A5.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A6.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A2.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A3.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A4.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A5.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A6.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A2.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A3.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A4.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A5.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-15A6.txt

[...]

79. 30 Years Ago: FCC Authorizes AMTOR for Amateur Radio HF Bands

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-03 17:59:02 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <510e913a$0$71836$540ea2cf@novia.net>
Source record: 239
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.digital.misc,rec.radio.amateur.policy

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: ad7i <utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxb!houxq!houxp!ad7i>
>Subject: ARRL 10: AMTOR
>Newsgroups: net.ham-radio
>Date: Wed Feb 2 08:50:39 1983

qst de ad7i
red bank, new jersey, u.s.a.
hr arrl bulletin nr 10 from arrl headquarters
newington ct january 28, 1983
to all radio amateurs bt

the fcc has authorized the use of the amtor digital teleprinter code
by radio amateurs in the hf bands. amtor is a handshaking digital
teleprinter technique which is immune to fading, interference and
receiver tuning errors. see june 1981 qst, page 25, for details on
amtor. this fcc action will be effective upon publication in the
federal register ar

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlEOkP4ACgkQ6Pj0az779o6hQwCghW5Rto/6OkyEikksDAqC/pYg
ZgoAn3o2s/WvS99BlB2pzQSnMNme5c7V
=G5UT
-----END PGP SIGNATURE-----
```

80. 30 Years Ago: FCC Publishes Notice of Proposed Rulemaking for No-Code License

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-03 17:59:26 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <510e93cd$0$71759$540ea2cf@novia.net>
Source record: 240
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: ad7i <utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxb!houxq!houxp!ad7i>
>Subject: ARRL 11: Code Free License
>Newsgroups: net.ham-radio
>Date: Wed Feb 2 08:50:57 1983

qst de ad7i
red bank, new jersey, u.s.a.
hr arrl bulletin nr 11 from arrl headquarters
newington ct february 1, 1983
to all radio amateurs bt

the fcc has released the notice of proposed rulemaking proposing to
establish an amateur radio operator license class which would not
require any demonstrated ability to send or receive morse code. the
so called codeless license proposal seeks to create one of two
possible new classes of amateur license. one alternative would be
the technician class without the five word per minute morse code
examination. this license would carry all amateur privileges above
50 mhz. the second alternative would be an experimenter class. this
license would require passing a theory test which would require
knowledge of digital and other amateur techniques and would grant all
amateur privileges above 144 mhz. fcc seeks comments on this
proposal, especially views on the composition of the new theory test
for the proposed experimenter class. it also seeks comments on the
frequency privileges to be given to either a codeless technician or
experimenter class. comment deadline is april 29, 1983. replies are
due may 31. march 1983 qst will carry the entire text of this
proposal, including information on how to file comments with the fcc.
the docket number is 83 28 ar
```

```
-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlEOk2YACgkQ6Pj0az779o5AMACcDaf/avSPfvi8eH0YkFVdLJYW
7d4An3sXZ/lTbnlU6MhwG62fZyq3IO+f
=7chd
-----END PGP SIGNATURE-----
```

81. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-04 14:26:37 UTC
From: John Davis <wa8yxm@gmail.invalid.com>
Message-ID: <keoe23$n9r$1@dont-email.me>
Source record: 241

On 1/13/2013 11:39 AM, Red Blade wrote:

> I'm not an ARRL fan, so I don't know about what QST is doing right now,
> but we won't get into that.
>
> The only way I will subscribe to a "digital magazine" is if it's a DRM-
> free PDF file (like K9YA is).
>

The digital QST requires you enter your call an ARRL password the first time you open it.. So that's a form of DRM I'd guess. Though it's easy to get around You can make copies, (or download the same edition 20 times if you like) but you have to "Authorize" each copy by entering your call and password.

I am going to go digital only .. This, however, is because of how I live (For a picture of my house QRZ my call) Paper editions cost me money. Digital does not.

--
Nothing adds Excitement like something that is none of your business.
Remove the invalid part to email me.

82. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-04 14:27:17 UTC
From: John Davis <wa8yxm@gmail.invalid.com>
Message-ID: <keoe9rosu1@dont-email.me>
Source record: 242

On 1/17/2013 2:41 PM, Jeff Davis wrote:
> On 2013-01-17, Bill Horne<bill@horneQRM.net> wrote:
>>
>> No offense, OM, but I think we're getting off track here: I don't think
>> DRM is the cause of the online edition of QST looking less-than-ideal.
>
> Sorry, but not off track. I was responding to another post. Check the
> thread a little closer.
>

The DRM that ARRL uses is not real DRM, you can make unlimited copies, you can download as many copes as yoru bandwidth will allow, It is just that the first time you open a copy on any given computer you have to "log in" with your ARRL user name (Call) and password and you must be connected to the net. That one time.

After that it opens normally.

Older versions you can download PDF's. they are straight scans of the paper document. But you need to download article by article by article, Major pita.

That said.. I have to say I do not really like the Nextbook system. Lots of reasons. Even if there are things in the digital version (like hyperlinks) they can not put on paper (Though they are starting to put a few QR codes on paper) I would much prefer say Mobi format (kindle) or Nook or ________.
--
Nothing adds Excitement like something that is none of your business.
Remove the invalid part to email me.

83. Re: ARRL drops the other shoe on print version of QST

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-04 14:27:33 UTC
From: John Davis <wa8yxm@gmail.invalid.com>
Message-ID: <keoebh$ou9$1@dont-email.me>
Source record: 243

On 1/18/2013 11:50 AM, MM wrote:
> On 1/17/13 11:34 AM, Bill Horne wrote:
>> ...
>> I don't care what DRM the ARRL chooses: the issue for me is that the
>> online edition is just a page-by-page image of the printed version, and
>> I don't feel that this is a viable way to make QST available online.
>>
>
> I dunno, that's the way I prefer it. They can imbed links to more info
> so you can look at them if you want, which I think they do. How else
> would you want it? Anything else would be just a bunch of web pages, it
> wouldn't be QST anymore.
>
> FWIW, the iPad QST app works quite well. I wish they had an Android
> version too, I don't particularly care for the web version.
>
> To each his own, I guess.
>
> 73... Mark AA7TA
>

LKikewise on the Andriod request, I do have Adobie Air installed on my
'droid so it should be possible.... Have not yet tried it.

I'm not an I-Fan.
--
Nothing adds Excitement like something that is none of your business.
Remove the invalid part to email me.

84. Article about Joe Roberts, WA0STV and his XYL

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-06 13:27:32 UTC
From: ARRL Members Only Web site <memberlist@www.arrl.org>
Message-ID: <20130206031021.64AFB20356@bmail.arrl.org>
Source record: 244
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

Thanks to Larry Lehman, KC0DA, for sending me the link to a great article about Joe Roberts and his wife in the Omaha World Herald. This is a feel-good article about a man and his wife, their dedication to each other and to life. Joe is an ex-Mayor of Valley Nebraska and an active ham.

Here is the link: http://tinyurl.com/ay434vm

73, Art K0AIZ

ARRL Nebraska Section
Section Manager: Arthur I Zygielbaum, K0AIZ
k0aiz@arrl.org
---

85. Hams asked to comment on Region II band plan

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-07 18:34:49 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kf0s34$s96$1@dont-email.me>
Source record: 245

I just got a notice from the ARRL, saying that ham societies are being
asked to contribute to the new Region 2 band plan.

On 2/7/2013 11:44 AM, ARRL Web site wrote:
> The Secretary of IARU Region 2 has asked Member Societies to offer
> any suggestions they may have about possible changes to the Region 2
> band plan.

I suggest hams be accorded squatter's rights on any band with less than
10% usage in any thirty day period.

I say: if hams find a stretch of RF Real Estate that's lying idle, we
get to use it until and unless the assigned users make their presence known.

My 2ï¿½.

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

86. Re: Hams asked to comment on Region II band plan

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-07 19:05:30 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <eju7h85ngq89h9quc3mapgft6el2ltl3av@4ax.com>
Source record: 246

On Thu, 7 Feb 2013 13:34:49 EST, Bill Horne <bill@horneQRM.net> wrote:

>I suggest hams be accorded squatter's rights on any band with less than
>10% usage in any thirty day period.
>
>I say: if hams find a stretch of RF Real Estate that's lying idle, we
>get to use it until and unless the assigned users make their presence known.

Unique - but then you've never been in the spectrum enforcement
business. Such a plan would be a nightmare.

MY 2 cents.

73 de K2ASP - Phil Kane

>From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

87. The ARRL Letter for February 7, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-08 01:17:37 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130207192213.A73972DBFDF@bmail.arrl.org>
Source record: 247
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

February 7, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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- On the Air: IARU Region 2 Seeks Input on HF Band Plan
- On the Air: Ride the Wave in the 2013 ARRL International DX CW
Contest
- ARRL in Action: What Have We Been Up to Lately?
- Amateur Radio in Space: Host a Real-Time Conversation with
Crewmembers Aboard the ISS
- ITU Offering Free Download of 2012 International Radio Regulations
- Be a Star! The QST Video Contest Deadline is March 1
- New International Reply Coupon Introduced
- Solar Update
- ARRL Recognizes: Robert Nickels, W9RAN, Wins January QST Cover
Plaque Award
- Correction: Serbian Prime Minister Ivica Dacic Does Not Hold Personal
Call Sign
- This Week in Radiosport

There will be no ARRL Audio News <http://www.arrl.org/arrl-audio-news>
for Thursday, February 7. The Audio News will return next week on
Thursday, February 14.

==> FIELD DAY: 2013 FIELD DAY PACKET NOW AVAILABLE

It's that time of year again -- time to start gearing up for ARRL Field
Day, June 22-23, 2013! ARRL's flagship operating event -- always held
the fourth full weekend in June -- brings together new and experienced
hams for 24 hours of operating fun.

Field Day packets are now available for download
<http://www.arrl.org/fieldday> and include the complete rules, as well
as other reference items such as forms, ARRL Section abbreviation list,
entry submission instructions, a Frequently Asked Questions section,
```

guidelines for getting bonus points, instructions for get-on-the-air stations and a kit for publicizing your event with the local press. New for 2013: Stations operating as Class A or B may begin setting up at 0000 UTC on Friday (which will be Thursday 8 PM EDT, 7 PM CDT, 6 PM MDT and 5 PM PDT). The groups may start and stop their set-up, resuming the set-up later, but may spend only a maximum of 24 hours cumulative time for setting up their sites.

An informational flier with basic "What Is Field Day?" has also been included in this year's Field Day packet. Amateur Radio clubs and individuals are encouraged to reproduce this flyer as a handout. Find it and more on the ARRL's Field Day web page <http://www.arrl.org/fieldday>.

==> ON THE AIR: IARU REGION 2 SEEKS INPUT ON HF BAND PLAN

The International Amateur Radio Union (IARU) Region 2 conference will be held later this year in Mexico. The Region 2 conference -- held every three years -- is attended by delegations from the national Amateur Radio societies in the western hemisphere that are members of the IARU. The ARRL is the IARU Member Society for the US.

One of the topics on the conference agenda will be the Region 2 HF band plan. This band plan is "harmonized" with -- spectrum management-speak for "very similar to" -- the IARU Region 1 and Region 3 band plans. Many hams in the US may not know there is such a thing as a Region 2 band plan. Other American hams have heard of it but may not know how -- if at all -- this band plan affects them. Read more here <http://www.arrl.org/news/iaru-region-2-seeks-input-on-hf-band-plan>.

==> ON THE AIR: RIDE THE WAVE IN THE 2013 ARRL INTERNATIONAL DX CW CONTEST

CW DXing and contesting take center stage the weekend of February 16-17, as the 2013 ARRL International DX CW Contest takes to the airwaves. If you've never operated the CW contest, now is the time to start. "You can work a lot of DX with 100 W and a simple dipole or vertical antenna," explained ARRL Contest Branch Manager Sean Kutzko, KX9X. "Some stations -- with some perseverance -- have worked more than 100 DXCC entities during the contest period. And who knows? You just might achieve DXCC during the contest." Read more here <http://www.arrl.org/news/ride-the-wave-in-the-2013-arrl-international-dx-cw-contest>.

==> ARRL IN ACTION: WHAT HAVE WE BEEN UP TO LATELY?

This feature is a concise monthly update of some of the things that the ARRL is doing on behalf of its members. This installment -- which covers the month of January -- takes a look at the 2013 Annual Meeting of the ARRL Board of Directors, how the ARRL is supporting Amateur Radio in the classroom, new publications, updates from the ARRL Development Office, reports from the Official Observer Desk and more. Read more here

<http://www.arrl.org/news/arrl-in-action-what-have-we-been-up-to-lately-54>.

==> AMATEUR RADIO IN SPACE: HOST A REAL-TIME CONVERSATION WITH CREWMEMBERS ABOARD THE ISS

Proposals are now being accepted from US schools, museums, science centers and community youth organizations to host an Amateur Radio on the International Space Station (ARISS) contact between November 1, 2013 and May 1, 2014. To maximize these radio contact opportunities, US ARISS program partners -- the ARRL, AMSAT and NASA -- are looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan. Proposals are due March 1, 2013. Read more here <http://www.arrl.org/news/host-a-real-time-conversation-with-crewmembers-aboard-the-iss>.

==> ITU OFFERING FREE DOWNLOAD OF 2012 INTERNATIONAL RADIO REGULATIONS

The International Telecommunication Union (ITU <http://www.itu.int/>) is offering an electronic version of the 2012 International Radio Regulations <http://www.itu.int/pub/R-REG-RR-2012> at no charge. These regulations incorporate the decisions of the World Radiocommunication Conferences of 1995 (WRC-95), 1997 (WRC-97), 2000 (WRC-2000), 2003 (WRC-03), 2007 (WRC-07) and 2012 (WRC-12), including all Appendices, Resolutions, Recommendations and ITU-R Recommendations incorporated by reference.

While Article 25 <http://life.itu.ch/radioclub/rr/art25.htm> of the International Radio Regulations defines the Amateur Radio Service, the regulations as a whole define the allocation of different frequency bands to different radio services, as well as the mandatory technical parameters to be observed by radio stations, procedures for the coordination and notification of frequency assignments made to radio stations by national governments and other procedures and operational provisions.

The free download -- as well as paper copies and a DVD -- are available in English, Arabic, Chinese, Spanish, French and Russian. While the electronic version is available at no charge, the individual paper versions and the DVD containing versions in all six languages cost CHF 398 (approximately $438 USD). The free download is available through mid-2014.

==> BE A STAR! THE QST VIDEO CONTEST DEADLINE IS MARCH 1

Grab your cameras -- you only have until March 1 to send your entry for the 2013 QST Video Contest. Shoot a video on any tasteful subject relating to Amateur Radio and send it our way. If your video takes first, second or third place, we'll post it on the ARRL website for everyone to see. (Only one per ARRL member, please.)

Your video can be up to 5 minutes in length and the topic can be anything that illustrates the excitement of Amateur Radio. Videos will

be judged on overall quality and composition. The first place winner will receive $500; the second place prize is $250 and the third place prize is $100 (winners of the 2012 competition are ineligible). The winning videos will be displayed on the ARRL website and the ARRL's YouTube channel. Read more here <http://www.arrl.org/news/qst-video-contest-deadline-approaching>.

==> NEW INTERNATIONAL REPLY COUPON INTRODUCED

The Universal Postal Union has introduced the newest model of the International Reply Coupon (IRC): The Doha model -- so named for the 25th Universal Postal Congress that took place in Doha, Qatar in October 2012 -- will replace the current model, known as the Nairobi model. Although the US Postal Service no longer sells IRCs, they are still available in other countries and post offices in the US are mandated to redeem them. The Doha model IRC will be available for purchase on July 1, 2013. It is valid for exchange until the end of 2017. The Nairobi model remains valid until December 31, 2013. Read more here <http://www.arrl.org/news/new-international-reply-coupon-introduced>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: The average daily sunspot numbers hardly changed from last week and the week prior, but the average daily solar flux bounced back to about the level it was from two weeks ago: The average daily sunspot numbers were down 5 points to 50.7, while the average daily solar flux was up 7.7 points to 106.4. The predicted solar flux values are 105 on February 7-9, 110 and 105 on February 10-11, 100 on February 12-14, 115 on February 15-16, 110 on February 17, 115 on February 18-19, 110 on February 20-21, 105 on February 22, 115 on February 23-24, then 110, 105 and 100 on February 25-27, and back down 95 on February 28 through March 2. The predicted planetary A index is 5, 8, 18 and 10 on February 7-10, 5 on February 11-18, 8 on February 19, 5 on February 20-21, then 15, 10 and 8 on February 22-24, 5 on February 25-28, then rising to 10 and 8 on March 1-2. Look for more on the ARRL website on Friday, February 8. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> ARRL RECOGNIZES: ROBERT NICKELS, W9RAN, WINS JANUARY QST COVER PLAQUE AWARD

The winner of the January QST Cover Plaque award is Robert Nickels, W9RAN, for his article "Cheap and Easy SDR <http://www.nxtbook.com/nxtbooks/arrl/qst_201301/index.php#/32>." Congratulations Robert! The QST Cover Plaque Award -- given to the author or authors of the best article in each issue -- is determined by a vote of ARRL members on the QST Cover Plaque Poll web page <http://www.arrl.org/cover-plaque-poll>. Cast a ballot for your favorite article in the February issue today.

==> CORRECTION: SERBIAN PRIME MINISTER IVICA DACIC DOES NOT HOLD
PERSONAL CALL SIGN

In a news item
<http://www.arrl.org/news/ivica-da-i-yu1yu-elected-prime-minister-of-serbia>
posted on the ARRL website on August 1, 2012 and published in the
October 2012 issue of QST, it was reported that Serbian Prime Minister
Ivica Dacic held the call sign YU1YU. The ARRL has learned that
although Prime Minister Dacic was a radio club member and passed the
examination for an Amateur Radio operator license, and while YU1YU was
suggested to him as a call sign for which he could apply, he has never
applied for a personal call sign.

==> THIS WEEK IN RADIOSPORT

This week:

- February 8 -- NCCC Sprint Ladder
- February 8-10 -- YLRL YL-OM Contest
- February 9 -- Asia-Pacific Spring Sprint (CW); FISTS Winter Sprint
- February 9-10 -- New Hampshire QSO Party; Louisiana QSO Party; CQ WW
RTTY WPX Contest; YL-ISSB QSO Party (CW); KCJ Topband Contest; Dutch
PACC Contest; OMISS QSO Party; RSGB First 1.8 MHz Contest; AWA
Amplitude Modulation QSO Party
- February 10-11 -- Classic Exchange (Phone)
- February 11-15 -- ARRL School Club Roundup
<http://www.arrl.org/school-club-roundup>
- February 13 -- NAQCC Straight Key/Bug Sprint
- February 13-14 - CWops Mini-CWT Test

Next week:

- February 15 -- NCCC Sprint Ladder
- February 16 -- Feld Hell Sprint
- February 16-17 -- ARRL International DX Contest (CW)
<http://www.arrl.org/arrl-dx>
- February 17-18 -- Russian PSK Worldwide Contest
- February 20 -- AGCW Semi-Automatic Key Evening

All dates, unless otherwise stated, are UTC. See the ARRL Contest
Branch page <http://www.arrl.org/contests>, the ARRL Contest Update
<http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest
Calendar <http://www.hornucopia.com/contestcal/index.html> for more
information. Looking for a Special Event station? Be sure to check out
the ARRL Special Event Stations web page
<http://www.arrl.org/special-event-stations>.

Upcoming ARRL Section, State and Division Conventions and Events

- February 8-10 -- ARRL Southeastern Division Convention
<http://www.arrl.org/hamfests/southeastern-division-convention-orlando-hamcat
ion-1>,
Orlando, Florida
- February 15-16 -- ARRL Arizona State Convention

<http://www.arrl.org/hamfests/arizona-state-convention-yuma-hamfest-1>,
Yuma, Arizona
- February 16 -- ARRL Arkansas State Convention
<http://www.arrl.org/hamfests/arkansas-state-convention-winterfest>,
Hoxie, Arkansas
- February 23 -- ARRL Vermont State Convention
<http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>,
South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention
<http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfe
st-1>,
Claremore, Oklahoma; ARRL Louisiana Section Convention
<http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annu
al-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention
<http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,
Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-pa
trick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-
hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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top contesters, letters, hints, statistics, scores, NA Sprint and QSO
Parties.

Subscribe to QEX -- A Forum for Communications Experimenters
<http://www.arrl.org/qex>. Published bi-monthly, features technical
articles, construction projects, columns and other items of interest to
radio amateurs and communications professionals.

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s>
to the ARES E-Letter (monthly public service and emergency
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newsletter), Division and Section news alerts -- and much more!

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<http://www.arrl.org/>

88. Re: Hams asked to comment on Region II band plan

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-08 02:56:05 UTC
From: Foxs Mercantile <jdangus@att.net>
Message-ID: <kf1n5c$1jq$1@speranza.aioe.org>
Source record: 248

On 2/7/2013 1:05 PM, Phil Kane wrote:
> On Thu, 7 Feb 2013 13:34:49 EST, Bill Horne<bill@horneQRM.net> wrote:
>
>> >I suggest hams be accorded squatter's rights on any band with less than
>> >10% usage in any thirty day period.
>> >
>> >I say: if hams find a stretch of RF Real Estate that's lying idle, we
>> >get to use it until and unless the assigned users make their presence known.
> Unique - but then you've never been in the spectrum enforcement
> business. Such a plan would be a nightmare.

That's already happening.

First it was the "Freeband" and now it's the lower end of 10 meters.

Oh, wait, you said Amateurs.

Jeff-1.0
wa6fwi

89. Re: Hams asked to comment on Region II band plan

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-08 03:41:53 UTC
From: jimp@specsol.spam.sux.com
Message-ID: <897eu9-vjk.ln1@mail.specsol.com>
Source record: 249

Bill Horne <bill@horneqrm.net> wrote:
> I just got a notice from the ARRL, saying that ham societies are being
> asked to contribute to the new Region 2 band plan.
>
> On 2/7/2013 11:44 AM, ARRL Web site wrote:
> > The Secretary of IARU Region 2 has asked Member Societies to offer
> > any suggestions they may have about possible changes to the Region 2
> > band plan.
>
> I suggest hams be accorded squatter's rights on any band with less than
> 10% usage in any thirty day period.
>
> I say: if hams find a stretch of RF Real Estate that's lying idle, we
> get to use it until and unless the assigned users make their presence known.

That is not what the band plan is about.

It is about where, in the amateur bands, which modes are used, not where
amateurs can operate.

90. Amateur Radio Newsline(tm) Report 1852 - February 8 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-08 10:00:15 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130208100003.E894933C8C@panix2.panix.com>
Source record: 250
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1852 - February 8 2013

Amateur Radio Newsline report number 1852 with a release date of February 8 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. New Zealand to take a fresh look at its 70 centimeter bandplan; Italian amateurs regain temporary access to the pan-European 70 MHz band; an update on ham radio assistance in the flooding down-under and radio helps solve another mystery of the universe. Find out the details are on Amateur Radio Newsline(tm) report number 1852 coming your way right now.

(Billboard Cart Here)

**

RADIO LAW: REVIEW OF THE 70 CENTIMETER BAND PLAN DOWN-UNDER

A frequency conflict on 70 centimeters has lead to the review of a ham radio bandplan down-under. Amateur Radio Newdline's Jim Meachen, ZL2BHF, reports:

--

The New Zealand Association of Radio Transmitter's or NZART Council has decided a review of the current 70 cm bandplan is desirable as a conflict with the IARU Region III bandplan has been identified by a number of formal complaints to both NZART and Radio Spectrum Management or RSM. The Council considers it part of its responsibilities to amateur radio that it reviews the Bandplans when significant changes occur in the use of the spectrum.

Due to the discrepancy between the NZART 70 cm Bandplan and the IARU Region III Bandplan, the review will give consideration to concerns regarding the operation of Amateur Television. It will also consider interference received from UHF Low Interference Potential Devices by equipment ham radio operate such as 70 cm repeaters even though the National System was re-engineered to be resistant to this some time ago.

This proposed review is now on the agenda of the Council face to face meeting in this month and it is hoped that submissions will be called for shortly afterwards. The NZART Council will seek feedback from existing operators on the 70 cm band. It is interested in learning about any interference presently being received or any that may occur in the future while operating on this band. The review is also planned

to be a discussion topic at the Technology Convention in Auckland, where it is anticipated it will be presented as a Draft Recommendation for comment, before being presented to NZART Council.

For the Amateur Radio Newsline, I'm Jim Meachen, ZL2BHF, in Nelson, New Zealand.

--

The NZART says that it will soon be inviting comment from parties interested in providing submissions to a Committee appointed at the Council Face To Face gathering to perform this review. Submissions from New Zealand 70 cm Band users on the current 70 cm Bandplan or suggestions to improve it will be most useful.

(NZART)

**

RESTRUCTURING: ITALIAN AMATEURS BACK ON 70MHZ

Italian amateurs have regained access to the pan-European 70MHz band. That is at least until December 31st of this year.

All Italian stations are authorized to use 70MHz, unless they are within 30km of the borders with Austria, Switzerland or France. Frequencies in use are 70.100, 70.200 and 70.300MHz, with 25kHz of bandwidth. All modes are permitted with a maximum power of 50 watts Effective Radiated.

(Southgate)

**

RESCUE RADIO: VK FLOODING UPDATE

Ham radio continues to provide aid in the wake of flooding that hit the Australian state of Queensland. WIA Newsman Graham Kemp, VK4BB, has the latest:

--

VK4BB: "The Queensland, VK4 disaster continues and as the state begins its big clean-up and recovery phase, a picture of emergency communications provided by radio amateurs is starting to emerge.

Initial reports from Neil McCloud, VK4ERM. WIA National WICEN Coordinator are that HF links were requested by Queensland Water Police. Other WICEN help was given to the Townsville and Rockhampton regions pending repair by Telstra of its fiber optic cables to the North.

Widespread power and communications disruption will take a number of days by repair crews. No more is immediately known about WICEN and its emergency role, but this should be learn't before next weeks

broadcastcast.

At least six people have died in Queensland; others are missing and many thousands are homeless and sheltering in relief centers while some towns remain inundated and Isolated.

For the Amateur Radio Newsline, I'm Graham Kemp, VK4BB, of the WIA News in Australia.

--

The weather system that caused record Queensland flooding was caused by ex-tropical cyclone Oswald, That weather system then moved south to affect many parts of the Australian state of New South Wales. (WIA News)

**

RADIO POLITICS: ARRL BOARD MEETING REPORT NOW ON LINE

Back on this side of the Pacific, the ARRL Board of Directors held its 2013 Annual Meeting January 18th and 19th in the city of New Orleans, Louisiana. At the meeting, the board set its legislative objectives for the 113th Congress, approved the organization's amended financial plan, elected members to the Executive Committee and ARRL Foundation, bestowed awards and more. You can read the complete report of the Boards actions on line at tinyurl.com/arrl-board-2013. (ARRL)

**

RADIO LAW: FIRST FCC HEARINGS HELD ON HURRICANE SANDY

In the first of several field hearings to discuss the aftermath of superstorm Sandy, several communications industry experts said access to fuel before, during and after a crisis was of utmost importance. Amateur Radio Newsline's Bill Pasternak, WA6ITF, is here with more on what transpired at the gatherings held last week in New York City and New Jersey:

--

While there was not much that affected ham radio, right off the top it was noted that none of the broadcast stations in the areas affected by hurricane Sandy went off the air. In the case of Clear Channel Communications which owns a number of broadcast properties in the region most impacted by the super-storm the company had pre-staged generator fuel well ahead of time. Clear Channel Chairman John Hogan noted that some employees even camped out for days, making sure the groups facilities stayed on the air.

Dave Davis is the president and general manager of WABC television in New York City. He agreed disaster planning is essential. Anticipating power outages due to the storm, Davis asked asked ESPN to feed content to the company's two sister radio stations in the affected market.

Those stations also remained on the air.

The manager of social media for the New York Fire Department described how she kept in contact with residents who had no phone service using Twitter. She then passed along their information to 911 authorities. As a result, the panelists discussed how to better incorporate more social media into emergency alerting. However WABC's Davis noted that while social media can be a great tool, that the public needs accurate information, especially to disprove Internet rumors.

Finally, in his commentary Clear Channel Chairman Hogan said the FCC might want to encourage wireless carriers to include or activate FM chips in their cellphones. This he said would make radio available to more people in an emergency even if other forms of communications are not.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the Studio, in Los Angeles.

--

In her comments, FCC Commissioner Ajit Pai cited Arbitron ratings service information that estimated about one million people were listening to radio the day Sandy hit the East coast. (RW, other published news reports)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the JR6YQF Amateur Radio Society serving the island of Okinawa in the mid-Pacific.

(5 sec pause here)

**

PROPAGATION: 15 TO 10 METER RADIO BLACKOUT CAUSED BY ERRUPTING SUNSPOT

If you operate 10 and 15 and were listening on Saturday February 2nd and several days afterward, the bands likely sounded like this:

--

Actual band noise recording.

--

That's what happened to the spectrum from 21 to 28 or so Megahertz when a tiny sunspot erupted into a moderately sized solar flare/ One that radio astronomers say completely drowned out radio communication on these frequencies world-wide.

The recording was made at our studio on a venerable Kenwood TS-520 and MFJ vertical soon after we heard about the flare. And as reported by

several solar observation sources, it appears as if the sun is beginning a period of high activity as it enters its maximum of its 11-year solar cycle.

Radio Astronomer James Thieman, who leads NASA's JOVE project described the event was a fairly good-sized surge. He explained that the solar burst that happened on February 2nd accelerated electrons to high energies. This electron stream created plasma in the sun's atmosphere which traveled to Earth and caused some disruption in high frequency radio communications.

Despite this, many astronomers note that the Sun has been relatively quiet for the last few months, producing few large solar flares or coronal mass ejections. These occur when a star throws off charged particles into space that travel at speeds of millions of kilometers per hour. (NASA, SDR, Wired, others)

**

HAM RADIO IN SPACE: CONGRESS REMOVES EXPORT PROHIBITION ON SATELLITES

The National Defense Authorization Act for Fiscal Year 2013, passed by Congress in late December and now signed by President Obama has removed a restriction that has essentially shut down international cooperation for building amateur satellites in the past decade.

Under the old law, satellites and their component parts were considered to be "munitions" and their export to other countries was severely limited. This made it impossible for amateur satellite organizations in different countries to work together on major projects. For example, the last big amateur satellite, Phase 3D. It was built jointly by AMSAT groups in the U.S., Germany and other countries, but that was before the international cooperation measure was put in place.

The new law restricts satellite exports only to China, North Korea and countries identified as state sponsors of terrorism, as well as those under trade embargoes. A recommendation from the Departments of State and Defense said the old law impeded the ability of American satellite builders to work with international partners while providing no noticeable benefit to national security. (CQ)

**

HAM RADIO PUBLIC RELATIONS: THAT GUY WITH THE HAM RADIO

Kraft foods has produced a new set of television commercials called the Velveeta-Eat-Like-That-You-Know campaign, and one of the 15 second spots features ham radio in a very positive light.

The ham radio spot is titled "That Guy with the Ham Radio" and appears to be one of five new commercials for Kraft's Velvita Shells and Cheese lunch and dinner product. Others in the series are titled "That Guy That Drives That Limo," "That Guy That Paints Those Landscapes," "That Helicopter Guy at the Mall" and "That Guy That Owns That Aquarium

Store."

All are fast paced and fun to watch. You can see them on-line at genericbaldman.com/Velveeta-Eat-Like-That-You-Know. But be forewarned, watching any of these spots may leave you quite hungry. (ARRL PR Remailer)

**

MEDIA SURVEY: KPMG SAYS TELEVIEWERS ARE MULTITASKERS

A new study by the research firm KPMG has concluded that 60% of American television viewers are also devoted multitaskers who watch television while accessing the Internet at the same time.

KPMG's findings were based on a global online survey of 9,000 people in nine countries, including the United States that was conducted lasst October. The survey also concluded that even though multiple devices vie for consumers' attention, that most people still prefer to watch television shows, movies and other video on the TV. Only 14% of those surveyed prefer to watch video on their smartphones or tablets.

According to KPMG, these results suggest that the next big disruption in living room viewing may come from so called "Smart TVs." These arer Internet-connected sets that afford the viewer access to traditional TV broadcasts as well as online services such as Netflix, Hulu or Amazon.com.

KPMG is one of the world's largest professional services companies and one of the so-called Big Four auditors with global headquarters located in the Netherlands. Its findings hold implications for network programmers and advertisers, which can no longer be sure which screen is drawing the viewer's eyes. (Published news reports)

**

NAMES IN THE NEWS: FCC CHAIRMAN WILL NOT DISCLOSE HIS FUTURE CAREER PLANS

Some names in the news. FCC chairman Julius Genachowski remains silent on whether he is planning to leave that post anytime in the near future. According to news reports Genachowski would not respond to a press conference question asked on Thursday, January 31st regarding his short-term plans.

Genachowski would only say that he is working hard every day and that the FCC has a terrific agenda and that he is focused on that agenda. That echoed his answer over the last several months when asked whether he is leaving given the widespread belief in D.C. communications circles that he would exit early in the president's new term, either for a private sector job or another Administration post. (B&C)

**

NAMES IN THE NEWS: SATELLITE EXPLORER APP NOW AVAILABLE

Tom Doyle, W9KE, has released "Satellite Explorer." This is described as a Windows 8 app that runs on Intel based tablets, laptops and desktops as well as Windows RT tablets like the Microsoft Surface. It is available in the Windows Store if you search for "Satellite Explorer." The app itself is free but if you find it of value you are asked to please contribute to your favorite AMSAT project. A video preview of it can be seen on-line at tinyurl.com/satellite-explorer-2013. (W9KE)

**

NAMES IN THE NEWS: FIRST AWARD FOR ALL VICTORIAN NATIONAL PARKS TO VK3ZPF

The honor of the achieving the first Keith Roget Memorial National Parks Award by operating from all 45 parks in Australia's Victoria State has gone to Peter Fraser, VK3ZPF. Not only did Fraser operate portable from all national parks, but also worked from 25 of them on the 20, 40 and 80 meter bands. In addition he made contact with 25 on mixed bands and 15 on 40m. (VK3PC)

**

HAM HAPPENINGS: 11TH WORLD HIGH SPEED TELEGRAPHY CHAMPIONSHIP IN BULGARIA

Turning to the ham radio social scene, the Bulgarian Federation of Radio Amateurs will host the 11th World High Speed Telegraphy Championship in the city of Borovets. This from September 22nd to the 26th. Competitors from all over the world are invited to take part. More information is on-line at www.bfra.org or by e-mail to bfra_hq (at) hotmail (dot) com. (BFRA)

**

ELECTRONIC TRAINING: PROMER ON MICS IN NYC ON FEBRUARY 12

"Is This Thing On? . Let's Talk Mics" is the title of a primer on microphones being held on Tuesday, February 12th by the Audio Engineering Society's New York Section. The venue is the New School Jazz Performance Space in New York City with the session beginning at 6:30 p.m.

The host is David Bialik, who is the CBS Radio streaming operations project manager. He'll be joined by Mike Webber, Peter E. Schmitt Co., David Shinn, and Henry Cohen.

The event is open to the public. The site is located at 55 West 13th Street, between 5th and 6th Aves on the fifth floor. (RW)

**

HAM HAPPENINGS: SPEAKERS NEEDED FOR 2013 HAM RADIO TOWN MEETING

And for the past 15 years or so, Amateur Radio Newsline has produced and presented "The Ham Radio Town Meeting" at the Dayton Hamvention. Whenever possible, we try to stay close as possible to the Hamvention's overall theme which this year is simply "DX." And in going with that theme, this years Ham Radio Town Meeting will be titled "What DXing Means To Me" and will be a very personal glance at the various aspects of DXing from those who are involved in so many different ways.

The 2013 Ham Radio Town Meeting will be on Saturday, May 18th, at the Hara Arena in Dayton, Ohio. We usually are scheduled from 11:45 a.m. to 2 p.m. EDT. If you are interested in being a speaker please contact us by e-mail to newsline (at) arnewsline (dot) org or using the fill-in-the-blanks form at www.arnewsline.org/contact. Either way, please include all of your act information, including a SKYPE ID if you have one so that I can get back to you.

Thank you in advance and we hope to see some of you this May at Hamvention 2013. (ARNewsline)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

EMERGING TECHNOLOGY: TETHERCELL BLUETOOTH REMOTE CONTROL

Looking for a new way to remotely control things? Tethercell may be the answer to your needs.

Tethercell is a plastic case the size of an AA battery, embedded with Bluetooth 4.0 transponder, which is powered by an AAA battery that fits inside. The Bluetooth-enabled battery is then synced with an app on your smart phone that allows you to turn the device on and off, set a timer and even monitor the amount of power remaining.

According to its inventors Trey Madhyastha and Kellan O'Connor, this first version of Tethercell as a test bed for future applications. Its also an opportunity to get the technology in the hands of the public.

Only one catch. If you want one, you'll have to wait until May or June to get one. More including a demonstration video is on-line at tinyurl.com/tethercell. (OnLine News)

**

WORLDBEAT: COMMUNITY RADIO COMING TO NIGERIA

AllAfrica.com reports that Nigeria is about to activate some 800 low-power community radio stations throughout rural areas of the country. This to broadcast information about the federal government's policies and programs.

Mike Omeri is the Director General of Nigeria's National Orientation Agency. He explainede that the venture is in collaboration with the Nigeria Community Radio Coalition. Omeri said that the new radio stations are a result of problems found in rural communities that currently have less access to information about the government.

Joseph Obodeze is the Director of Research and Policy. He added that some areas of Nigeria are so remote that they only receive radio transmissions from neighboring Cameroon instead of domestic stations. Nigeria hopes to have all of the new low power stations in operation by the middle of the year. (AllAfrica.com, RW)

**

RADIO ADVENTURES: TOUR OF NEW BBC BROADCASTING HOUSE STARTS IN APRIL

If you are planning a vacation in the United Kingdom and are interested in radio, then you will be happy to know that the British Broadcasting Company's new facility tour launches in April.

While on the tour some of the things you're likely to see include a camera's eye view into some of the studios broadcasting such programs as the Six O'Clock News and Radio 1. Trained guides will also present a rich history of the building and the BBC.

The Broadcasting House Tour will be available seven days a week. Further details at tinyurl.com/new-bbc-tour (Southgate)

**

HAM RADIO IN SPACE: OSSI 1 TO LAUNCH IN 2ND QUARTER OF 2013

OSSI-1, the Open Source Satellite Initiative developed by DS1SBO, is now planned for launch in the 2nd quarter of 2013. The tiny satellite will be placed into a 575 km high, 63° inclination orbit after being carried aloft on-board a Soyuz-2-1b rocket from the Baikonur launch facility in Kazakhstan.

Initial reports say OSSI-1 will have a beacon in the 145 MHz band, a data communications transceiver in the 435 MHz band although actual operating frequencies have yet to be published. The data communications transceiver is reported to be using an open protocol although details have not yet been released yet. OSSI-1 will also carry a 44 watt LED optical beacon to flash Morse Code messages to observers on Earth. (ANS)

**

IARU SATELLITE COORDINATION BOARD SAYS DOVE-1 WILL NOT USE 145.825

The Dove-1 technology development experiment to be launched on the inaugural launch of Antares rocket in February from Wallops Island, Virginia will no longer be using frequencies in the amateur radio bands. This based on information posted on the IARU satellite coordination web page for the mission.

The satellite sponsors had requested coordination for a 1 watt transmitter on 145.825 MHz to downlink a 1200 baud AFSK AX.25 beacon with telemetry and health data. What new non-amateur radio frequencies Dove-1 will use are not shown in the latest frequency coordination listings. (AMSAT-UK)

**

HAM RADIO IN SPACE: AMSAT-UK TO PROVIDE AMATEUR RADIO PAYLOAD FOR ESEO SATELLITE

AMSAT-UK reports that it will be providing an FM transponder and a BPSK telemetry beacon for the European Student Earth Orbiter or ESEO satellite.

The target audience of this mission is primary and secondary students and the project includes the development of a simple ground station operating on VHF frequencies in the Amateur Satellite Service.

The ground station will consist of an omni-directional antenna feeding a FUNcube Dongle PRO+ SDR receiver. This system will receive signals direct from the satellite and transfer the data to specially developed graphical software running on any Windows laptop.

The satellite is planned to launch in the 2015 to 2016 time frame into a low Earth orbit and will be the third mission within the European Space Agency's Education Satellite Program. (AMSAT-UK)

**

HAM RADIO IN SPACE: FOX-1 MAIN COMPUTER ENGINEERING PROTOTYPE COMES ALIVE

The Fox-1 development team reports that the first engineering model of the satellite's Integrated Housekeeping Unit or IHU has been constructed. Bdale Garbee, KB0G, performed the assembly work, and he was able to load and run the operating system on first power up on January 24, 2013.

Meanwhile, the software team is hard at work getting drivers and features ready to fully test the hardware. They have committed to a March delivery of software for IHU testing. (ANS)

**

DX

In DX, RW6ACM will be active as RI1ANP from the Russian Antarctic station Progress from February 1st through the end of year. Modes and exact operating times are not known. QSL via RN1ON, direct or via the

bureau.

I2JIN is currently operational from El Salvador as YS3CW. He is reportedly operating mainly CW on the 10 to 80m bands. QSL via I2JIN, direct, via the bureau or electronically using Logbook of the World.

F6AML is visiting Zanzibar until February 28th and signing 5H1Z on the 10 to 40m bands using SSB and CW. He will also try to activate the Islands on the Air groups AF-054, AF-063 and AF-075 while in the area. QSL via F6AML via the bureau or direct. No eQSLs on this one.

K0YAK will operate as ST2SF from the Sudan until mid-April. He hopes to be on 40 through 10 meters. QSL to his home call.

SM7GIB will be active as D44TIB from Cape Verde between February 25th and March 8th. His operation will be holiday style using a wire vertical on 160-10 meters. QSL via his home callsign.

Lastly, Prefix hunters will be interested to hear that TC16BURSA will be active through March 19th. This station is located in Bursa, Turkey and operated by members of local branch of the Turkish Radio Amateur Club. QSL as directed on the air.

(Above from various DX news sources)

**

THAT FINIAL ITEM: EXPLAINING A MYSTERY OF THE SOLAR SYSTEM

And finally this week, thanks to radio and radio astronomy, another of the mysteries of the solar system has been solved. Heres Amateur Radio Newsline's Don Carlson, KQ6FM, with the details:

--

According to a team of astronomers, they now understand why particles from inside the solar system bounce off what is described as a ribbon of energy boundary and as a result, neutral atoms from that collision stream inward toward the Sun. This they say is caused by a strange band of energy that appears to wrap around the entire solar system and creates a sort of energy field that push particles inward.

The ribbon of energy was first discovered by NASA's Interstellar Boundary Explorer or IBEX mission. Since that data was radioed back to Earth, astronomers and scientists around the world have struggled to identify the source of the barrier, and explain why particles seem to be driven back towards the sun.

Now, in a paper published in the Astrophysical Journal, astronomers lead by Dr. Nathan Schwadron of the University of New Hampshire have put forth the so-called retention theory that for the first time explains the key observation of the unexplained ribbon's width. The theory says that the mysterious band of energy exists in a location where neutral hydrogen atoms from the solar wind meet a local galactic

magnetic field. As a result, the neutral atoms, which are not affected by magnetic fields, become charged ions and begin gyrating rapidly around magnetic field lines. The result is that these ions are aimed back toward the sun.

While the latest theory is not the first to propose a solution to the galactic puzzle, Schwadron's hypothesis provided a key point overlooked by other researchers. That being the rapid rotation creates waves or vibrations in the magnetic field, and the charged ions then become physically trapped in a region by these waves, which in turn would amplify the ion density and produce the broader ribbon seen.

The result of all this is that Schwadron's theory could provide astronomers with a better understanding of how the solar system interacts with interstellar space. It could also provide insight into the magnetic fields of the interstellar medium, which astronomers say still remain largely a mystery.

For the Amateur Radio Newsline, I'm Don Carlson, KQ6FM, watching the clear nighttime sky up here in Reno.

--

Right now the ultimate source of the bands itself still remains largely unclear. NASA has yet to announce any future plans aimed at discovering the ultimate source of the ribbon itself. You can read more about this interesting phenomena at tinyurl.com/space-boundry. (Space Reporter, Space News, others)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Don Wilbanks, AE5DW, in Southern Mississippi saying 73 and we thank you for listening.

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91. 30 Years Ago: How to Comment on FCC Dockets

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-11 23:10:58 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <51194cb9$0$71814$540ea2cf@novia.net>
Source record: 1
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: rjr <utzoo!decvax!harpo!npoiv!hou5f!ariel!houti!lime!we13!rjr>
>Subject: How to comment on dockets
>Newsgroups: net.ham-radio
>Date: Fri Feb 11 14:06:11 1983

I believe there was a question on how and where to send
comments to the FCC. Here is the recommended
proceedure:

Comments to the FCC should be on 8 1/2 by 11 inch paper
with the left-hand and top margins being at least 1 1/2
inches and at least one inch on the right side and
bottom of the page. Use one side of the paper only and
double-space your comments, except for long quotations,
which may be single spaced. All papers shall be
typewritten. Number your paragraphs and in your
comments, refer to the docket paragraph number or rules
Part number that you are commenting on.

Be polite and don't insult the Commission. Don't say
"don't do" something unless you have an alternative to
offer.

Mail the original and 5 copies to:

Federal Communications Commission
Mr. William Tricarico, Secretary
1919 M. Street, NW.
Washington, D.C. 20554

The top of the first page should be headed as in the
following example:

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of)
) Docket No. 82-83
Notice of Proposed Rulemaking)
and Notice of Inquiry regarding)
expansion of phone subbands in)
the Amateur Radio Service)

COMMENTS

On the last page, sign and date your comments:

Respectfully submitted
8-10-82

Robert J. Roehrig, K9EUI
314 S. Harrison Street
Batavia, Illinois 60510
Bob Roehrig
...we13!rjr

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlEZTIAACgkQ6Pj0az779o6lYACeOo7K6q/U4kCohep1Gpd4zQH7
/esAn3RI7qKAWH5ZWvmbQC2XOuXGZNzX
=Fs5M
-----END PGP SIGNATURE-----

92. The ARRL Letter for February 14, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-15 00:17:29 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130214193621.945132148F@bmail.arrl.org>
Source record: 2
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

February 14, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

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<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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Upcoming Episode
- + FCC Adopts Sweeping Changes to Experimental Radio Service
- + Field Day: 2013 Field Day Packet Now Available
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- + Ham Innovations: Oklahoma Ham Helps Develop New Winter Weather App
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- Three New "How To" Videos on the ARRL Website
- + Harbach Electronics to Discontinue Dahl Transformers
- MicroHAMS Digital Conference Set for March 23
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- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + HAM RADIO IN HOLLYWOOD: LAST MAN STANDING TO FEATURE HAM RADIO IN
UPCOMING EPISODE

In an episode to air in mid-March, the hit ABC comedy Last Man
Standing -- starring Tim Allen as Mike Baxter, KA0XTT -- will
prominently feature scenes with cast members using Amateur Radio. This
episode will be the first episode to feature Amateur Radio since the
middle of the show's first season. According to Last Man Standing
Producer John Amodeo, NN6JA, the episode called "The Fight" will
feature several of the regular cast members talking on the radios. "I
can't say much about the episode right now," Amodeo told the ARRL, "But
this episode has the most significant use of Amateur Radio in a TV
comedy since Herman Munster, W6XRL4, got his ham license." Fans of
1960s television will remember the episode of The Munsters (originally
aired January 21, 1965) when Herman, on his ham radio, overheard
```

children using walkie-talkies who were pretending to be Martians. Read more here <http://www.arrl.org/news/em-ham-radio-in-hollywood-em-last-man-standing-to-feature-ham-radio-in-upcoming-episode>.

==> + FCC ADOPTS SWEEPING CHANGES TO EXPERIMENTAL RADIO SERVICE

In a Report & Order (R&O) -- FCC 13-15 -- released February 4, the FCC adopted numerous changes to its Experimental Radio Service (Part 5), revising and streamlining its rules. With the new rules, the FCC states that the Experimental Radio Service will have "a more flexible framework to keep pace with the speed of modern technological change, while continuing to provide an environment where creativity can thrive." The new rules will become effective 30 days after being published in the Federal Register. No date has yet been set for publication.

The FCC's rules contain numerous provisions for experimentation and development of new radio equipment and techniques. The R&O noted that the Experimental Radio Service rules "prescribe the manner in which the radio spectrum may be made available to manufacturers, inventors, entrepreneurs and students to experiment with new radio technologies, equipment designs, characteristics of radio wave propagation, or service concepts related to the use of the radio spectrum. To encourage innovation, the Part 5 rules provide flexibility regarding allowable frequency range, power and emissions. In exchange for this flexibility, experimental operations are not protected from harmful interference from allocated services, and Experimental Radio Service licensees must not cause harmful interference to stations of authorized services, including secondary services."

To accomplish this transition, the FCC -- through the R&O -- is creating three new types of Experimental Radio Service licenses: the Program License, the Medical Testing License and the Compliance Testing License. According to the FCC, this new license structure will "benefit the development of new technologies, expedite their introduction to the marketplace and unleash the full power of innovators to keep the United States at the forefront of the communications industry. Our actions also modify the market trial rules to eliminate confusion and more clearly articulate our policies with respect to marketing products prior to equipment certification. We believe that these actions will remove regulatory barriers to experimentation, thereby permitting institutions to move from concept to experimentation to finished product more rapidly and to more quickly implement creative problem-solving methodologies." Read more here <http://www.arrl.org/news/fcc-adopts-sweeping-changes-to-experimental-radio-service>.

==> + FIELD DAY: 2013 FIELD DAY PACKET NOW AVAILABLE

It's that time of year again -- time to start gearing up for ARRL Field Day, June 22-23, 2013! ARRL's flagship operating event -- always held

the fourth full weekend in June -- brings together new and experienced hams for 24 hours of operating fun.

Field Day packets are now available for download <http://www.arrl.org/fieldday> and include the complete rules, as well as other reference items such as forms, ARRL Section abbreviation list, entry submission instructions, a Frequently Asked Questions section, guidelines for getting bonus points, instructions for Get-On-The-Air (GOTA) stations and a kit for publicizing your event with the local press. New for 2013: Stations operating as Class A or B may begin setting up at 0000 UTC on Friday (which will be Thursday 8 PM EDT, 7 PM CDT, 6 PM MDT and 5 PM PDT). The groups may start and stop their set-up, resuming the set-up later, but may spend only a maximum of 24 hours cumulative time for setting up their sites.

An informational flier entitled "What Is Field Day" has also been included in this year's Field Day packet. Amateur Radio clubs and individuals are encouraged to reproduce this flier as a handout for information tables. Find it and more on the ARRL's Field Day web page <http://www.arrl.org/fieldday>.

==> + ON THE AIR: IARU REGION 2 SEEKS INPUT ON HF BAND PLAN

The International Amateur Radio Union (IARU) Region 2 conference will be held later this year in Mexico. The Region 2 conference -- held every three years -- is attended by delegations from the national Amateur Radio societies in the western hemisphere that are members of the IARU. The ARRL is the IARU Member Society for the US. One of the topics on the conference agenda will be the Region 2 HF band plan. This band plan is "harmonized" with -- spectrum management-speak for "very similar to" -- the IARU Region 1 and Region 3 band plans. Many hams in the US may not know there is such a thing as a Region 2 band plan. Other American hams have heard of it but may not know how -- if at all -- this band plan affects them. Read more here <http://www.arrl.org/news/iaru-region-2-seeks-input-on-hf-band-plan>.

==> + HAM INNOVATIONS: OKLAHOMA HAM HELPS DEVELOP NEW WINTER WEATHER APP FOR NOAA

The National Oceanic and Atmospheric Administration's (NOAA) National Severe Storms Laboratory (NSSL <http://www.nssl.noaa.gov/>), in partnership with the University of Oklahoma (OU), has launched a free app -- mPING (mobile Precipitation Identification Near the Ground) -- with which users can anonymously report precipitation from their Apple or Android mobile device. Simply select the type of precipitation that is falling at your location and press Submit -- your location and the time of the observation are automatically included in the report.

"mPING gives the public a unique opportunity to act as citizen scientists, allowing them to report their observations of precipitation -- such as snow, rain, ice pellets or a mix -- in real time," said Principal Investigator Dr Kim Elmore, N5OP. Elmore, an ARRL Life

Member, is a Research Meteorologist with the NOAA Cooperative Institute for Mesoscale Meteorological Studies at the University of Oklahoma. Read more here <http://www.arrl.org/news/oklahoma-ham-helps-develop-new-winter-weather-app-for-noaa>.

==> THREE NEW "HOW TO" VIDEOS ON THE ARRL WEBSITE

Three new "how to" videos have been posted <http://www.arrl.org/multimedia> on the ARRL website. All three videos are hosted by W1AW Station Manager Joe Carcia, NJ1Q.

- How to attach a PL259 connector to coaxial cable.
- How to use CTCSS in a typical FM transceiver.
- How to enjoy split-frequency operating.

To view these videos your web browser must support Flash <http://get.adobe.com/flashplayer/> technology. Also, some Internet Explorer browsers may have compatibility issues when attempting to view Flash video within Windows 7 and 8. If you do not see the individual video player screens on the Multimedia page, click your Internet Explorer "Compatibility View" icon located in the right-hand section of the Internet Explorer address entry window.

==> + HARBACH ELECTRONICS TO DISCONTINUE DAHL TRANSFORMERS

Effective February 14, Harbach Electronics will discontinue producing and selling the Peter W. Dahl line of transformers. In 2007 after more than 40 years in business, Peter Dahl, K0BIT, retired and sold his company -- the Peter W. Dahl Company -- to Harbach Electronics. According to an announcement on the Harbach Electronics website <http://harbachelectronics.com/>, the company is in negotiations with other manufacturers to take over the Dahl product line of transformers and magnetics.

==> MICROHAMS DIGITAL CONFERENCE SET FOR MARCH 23

The MicroHAMS Digital Conference will be held Saturday, March 23 at the Microsoft Studios West Campus in Redmond, Washington. The conference, which focuses on digital networking, will feature two local efforts that are leveraging off-the-shelf wireless networking technology for Amateur Radio: NW-MESH -- a local HSMM MESH <http://www.arrl.org/wedothat-page3> program -- and the HamWAN project <http://www.hamwan.org/> that is attempting to provide a high speed wireless backbone for the Greater Seattle area. In addition, representatives from NW Digital Radio <http://nwdigitalradio.com/> will give an update on the UDK56K digital transceiver (as seen in the December 2012 issue of QST <http://www.nxtbook.com/nxtbooks/arrl/qst_201212/index.php#/54>). Due to space limitations, pre-registration is strongly encouraged. The MicroHAMS Digital Conference is an ARRL-sanctioned convention. Find out more about the conference on the MicroHAMS website <http://www.microhams.com/softcontent.aspx?scId=58>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity continues at the low levels
that we have seen in the past few weeks. The sunspot numbers have been
remarkably consistent, with the average daily numbers for the weeks
since January 17 at 56.4, 55.7, 50.7 and finally 51.3 for this past
week. As you can see, the average daily sunspot number rose less than 1
point from the previous week to the past week, while the average daily
solar flux receded 2.4 points to 104. Geomagnetic conditions remain
calm. This weekend is the CW portion
<http://www.arrl.org/news/ride-the-wave-in-the-2013-arrl-international-dx-cw-
contest>
of the ARRL DX International Contest <http://www.arrl.org/arrl-dx>.
Conditions will probably be about the same as last year, because solar
activity is about the same as it was in 2012. The latest prediction for
solar flux shows values of 105 for February 14-15, 110 and 115 on
February 16-17, 110 on February 18-21, 105 on February 22, 115 on
February 23-24, 110 and 105 on February 25-26, 100 on February 27-March
3, and back down to 95 on March 4-9. The predicted planetary A index is
5 on February 14-16, 8 on February 17, 5 on February 18-21, then 12 and
8 on February 22-23, 5 on February 24-28, then 10 and 8 on March 1-2,
and back down to 5 on March 3-17. Look for more on the ARRL website on
Friday, February 15. For more information concerning radio propagation,
visit the ARRL Technical Information Service Propagation page
<http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL HEADQUARTERS TO CLOSE IN OBSERVANCE OF PRESIDENTS DAY

ARRL Headquarters will be closed in observance of Presidents Day on
Monday, February 18. There will be no W1AW bulletin or code practice
transmissions <http://www.arrl.org/w1aw-operating-schedule> that day.
ARRL Headquarters will reopen Tuesday, February 19 at 8 AM Eastern
Standard Time. We wish everyone a safe Presidents Day holiday.

==> THIS WEEK IN RADIOSPORT

This week:

- February 15 -- NCCC Sprint Ladder
- February 16 -- Feld Hell Sprint
- February 16-17 -- ARRL International DX Contest (CW)
<http://www.arrl.org/arrl-dx>
- February 17-18 -- Russian PSK Worldwide Contest
- February 20 -- AGCW Semi-Automatic Key Evening

Next week:

- February 22 -- NCCC Sprint Ladder
- February 22-23 -- CQ 160-Meter Contest (SSB)
- February 23-24 -- Mississippi QSO Party; North American QSO Party
(RTTY); REF Contest (SSB); UBA DX Contest (CW)
- February 24 -- High Speed Club CW Contest
- February 24-25 -- North Carolina QSO Party
- February 25-27 -- CQC Winter QSO Sprint

- February 27-28 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- February 15-16 -- ARRL Arizona State Convention <http://www.arrl.org/hamfests/arizona-state-convention-yuma-hamfest-1>, Yuma, Arizona
- February 16 -- ARRL Arkansas State Convention <http://www.arrl.org/hamfests/arkansas-state-convention-winterfest>, Hoxie, Arkansas
- February 23 -- ARRL Vermont State Convention <http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>, South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention <http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfest-1>, Claremore, Oklahoma; ARRL Louisiana Section Convention <http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annual-hamfest>, Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention <http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln, Nebraska; ARRL West Texas State Convention <http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-patrick-s-day-hamfest>, Midland, Texas
- March 23 -- ARRL South Texas State Convention <http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-hamfest-3>, Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention <http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston, Maine
- March 30 -- ARRL North Carolina State Convention <http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest-2>, Raleigh, North Carolina
- April 13-14 -- Communications Academy <http://www.arrl.org/hamfests/communications-academy-2013>, Seattle, Washington
- April 19-20 -- Southeastern VHF Society Conference <http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention

<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Join or Renew Today! <http://www.arrl.org/join> ARRL membership
includes QST <http://www.arrl.org/qst>, Amateur Radio's most popular
and informative journal, delivered to your mailbox each month.

Subscribe to NCJ - the National Contest Journal
<http://www.arrl.org/ncj>. Published bi-monthly, features articles by
top contesters, letters, hints, statistics, scores, NA Sprint and QSO
Parties.

Subscribe to QEX -- A Forum for Communications Experimenters
<http://www.arrl.org/qex>. Published bi-monthly, features technical
articles, construction projects, columns and other items of interest to
radio amateurs and communications professionals.

Free of charge to ARRL members: Subscribe
<http://www.arrl.org/myarrl-account-management#!/edit-info-email_subscription
s>
to the ARES E-Letter (monthly public service and emergency
communications news), the ARRL Contest Update (bi-weekly contest
newsletter), Division and Section news alerts -- and much more!

Find us on Facebook <http://www.facebook.com/ARRL.org>. Follow us on
Twitter <http://twitter.com/arrl>.

ARRL offers a wide array of products <http://www.arrl.org/arrl-store>
to enhance your enjoyment of Amateur Radio.

Donate <https://www.arrl.org/arrl-donation-form> to the fund of your
choice -- support programs not funded by member dues!

Click here <ads@arrl.org> to advertise in this newsletter (subject to
space availability).

The ARRL Letter is published Thursdays, 50 times each year. ARRL
members and registered guests may subscribe at no cost or unsubscribe
by editing their profile
<http://www.arrl.org/Users/edit#!/edit-info-email_subscriptions>.

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<http://www.arrl.org/>

93. rec.radio.amateur.moderated Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-15 07:00:05 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/guidelines-1-1360911602@panix.com>
Source record: 3
Cross-posted to: rec.radio.amateur.moderated,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/guidelines
Revision: 1.14 2011/12/31 20:05:40
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

Welcome to rec.radio.amateur.moderated! This is a moderated newsgroup
for amateur radio operators and other people having an interest in the
Amateur Radio Service, as defined by national regulations and
international treaties. Following are the posting guidelines for this
newsgroup.

This message includes the following sections:

1. Topics and posting policies from the rec.radio.amateur.moderated Charter
2. Additional posting guidelines
2.1 Netiquette guidelines
2.2 Posting form requirements
2.3 Guidelines on signature (.sig) files
2.4 Guidelines on excessive quoting
2.5 Guidelines on pointers to outside sources
2.6 Guidelines regarding questioning someone's suitability to hold
an amateur radio license
2.7 Guidelines regarding name-calling
2.8 Guidelines regarding civility
2.9 Guidelines regarding anonymity and pseudonyms |
2.10 Other unacceptable topics |

------------------------------------------------------------------------

1. Topics and posting policies from the rec.radio.amateur.moderated Charter

rec.radio.amateur.moderated is an inclusive on-line community of amateur
radio operators and other people having an interest in the Amateur Radio
Service. Participants are invited to engage in open discussion of
amateur radio issues and exchange information about participating in the
hobby/service, in an atmosphere of civility, friendship, and fun.

Acceptable topics include but, are not necessarily limited to, questions
and discussions about amateur radio licensing, regulations, tips on
various aspects of setting up an amateur radio station, and sharing
operating experiences and insights.
```

Unacceptable posts include, but are not limited to, buy/sell/trade posts, posts that are off-topic to the Amateur Radio Service, posts promoting or defending unlawful activities, etc.

Frequently-Asked-Questions lists and other information/bulletin/ announcement postings may be crossposted to rec.radio.info, rec.answers, and news.answers only with prior approval of the moderators of those newsgroups. In all such cases, an appropriate "Followup-To" header, containing only rec.radio.amateur.moderated, will be added by the moderators if one is not already provided.

After a 30-day public discussion and feedback period to gauge reader opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35f23326

the rec.radio.amateur.moderated Moderation Team had decided to consider amending its charter, and permit limited simultaneous crossposting to rec.radio.amateur.moderated and one other unmoderated amateur-radio-related discussion newsgroup. After a successful trial period (90 days, through early July 2009), we decided to adopt this change permanently.

Approved rec.radio.amateur.* newsgroups are those that are currently listed in the latest version of the "List of Big Eight Newsgroups" which is crossposted monthly to news.announce.newgroups, news.groups, and news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those that have been created consistent with the suggestions in "So You Want to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either "radio.amateur" or "ham-radio" in their names, including uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved newsgroups up-to-date. In case we have overlooked any, and a submission is rejected in error as a result, the rejected submitter can E-mail us at our administrative contact address (in the signature at the bottom of this article, and the default Reply-To for the rejection message) requesting that it be added, and that the article be approved. We may still choose to reject articles crossposted to any alt.* newsgroup with an inappropriate name, including obscene language, embedded name-calling, or encouragement of unlawful conduct.

Posters are encouraged to state their own views and share their experiences, but to refrain from making assumptions about the motivations of other newsgroup participants. Posters are expected to maintain a basic tone of civility. Prohibited uncivil discourse includes, but is not limited to, name calling.

Posts containing unsolicited advice questioning the right, worthiness, suitability and/or readiness of any individual (or members of any group) to be an amateur radio operator are unacceptable in this newsgroup. If an individual chooses to post asking for advice on when or whether to obtain an amateur radio license, or to participate in any type of lawful activity in the Amateur Radio Service, respondents should be careful to address their comments only to the original poster and not explicitly generalize to others in similar situations.

Similarly, posts that arbitrarily declare certain classes of amateur radio licenses, or certain members of national amateur radio societies (e.g., American Radio Relay League, Radio Amateurs of Canada, Radio Society of Great Britain, Wireless Institute of Australia, etc.), to be more or less worthy than others, are not permitted. Posts that politely encourage individuals to join their local amateur radio society, or to upgrade to higher classes of amateur radio license in order to enjoy greater operating privileges, are permitted, however. Posts that contain reasoned, civil, and fact-based discussion of the activities and internal politics of national amateur radio societies are also permitted.

Buy/Sell/Trade and Commercial Policy:

Posts containing offers to buy, sell, or trade are not permitted on rec.radio.amateur.moderated. The rec.radio.swap newsgroup was created for this purpose, and should be used instead. All such articles will be rejected by the moderators with the advice to re-post to that newsgroup.

This policy also prohibits links to, and discussions of, specific auctions. Posts on the subject of how ham operators can help newcomers to find good deals, or about the need to visit flea markets and look around locally before turning to auction sites, are acceptable, but not complaints about a single auction or auction site.

Postings that are entirely advertisements or other public relations campaigns will not be permitted. Relatively unbiased announcements or reviews of new amateur radio-related products or services may be permitted at the discretion of the moderators. Such posters are asked to disclose their financial or professional interest, if any, in such products or services.

Mentions of small amounts of free items, including both parts and equipment, for giveaway will be permitted on an occasional basis from casual, non-commercial owners, and at the discretion of the moderators. The items should be free except for reasonable direct costs such as shipping, must be directly amateur-radio-related, must be in serviceable condition, and be practical to ship to a distant recipient. This is intended as a common-sense exception to our ban on forsale postings, provided that it doesn't overwhelm the basic character of our discussion newsgroup with classified ads or requests to haul off scrap or junk in salvage condition.

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2. Additional Posting Guidelines

2.1 Netiquette guidelines

Participants who are new to Usenet should familiarize themselves with the "netiquette" of Usenet as well as the particular posting guidelines for this group. Several useful posts for "newbies" can be found on the newsgroup news.announce.newusers or on the WWW at:

http://www.faqs.org/faqs/by-newsgroup/news/news.announce.newusers.html

Particularly helpful articles are:
Welcome to Usenet!
Rules for posting to Usenet
Hints on writing style for Usenet
A Primer on How to Work With the Usenet Community
Emily Postnews Answers Your Questions on Netiquette
Answers to Frequently Asked Questions about Usenet

Because rec.radio.amateur.moderated is a Usenet newsgroup, there are implied or derived guidelines for participation that are drawn from the above articles about overall Usenet culture and tradition. Two of these implied or derived guidelines are encapsulated in two basic rules that our moderation team uses to initially determine whether an article is appropriate for our newsgroup. They are restated explicitly here for clarification:

Basic Rule #1: The article must be on-topic for amateur radio. A rule-of-thumb that our moderation team applies is whether the article mentions amateur radio, ham radio, some synonym for amateur or ham radio, some technique or practice of amateur or ham radio including closely related technical topics such as antennas or portable power, or regulatory politics that directly affect amateur radio. This rule-of-thumb is also applied to determine if an article in a thread has drifted too far off-topic. For example, articles that have drifted into general rants or monologues will probably be returned with a polite request to rewrite to include a reasonable amateur radio connection or angle.

Basic Rule #2: The article must not have excessive spelling, grammar, or logical argument errors affecting readability and understandability. The moderation team understands that clear, understandable, technical or expository writing is a skill that can only be perfected through a lifetime of focused training and practice. Because the moderation team does not want to hold submitters to a standard higher than what it can achieve itself, nor disrupt the newsgroup and discourage submitters by playing spelling or grammar police, it will only return for rewrite any article that cannot be reasonably understood by multiple moderators.

If it is necessary to return any article for a rewrite because the moderators have determined that it does not meet Basic Rule #1 or #2, please accept this constructive feedback in the manner in which it is intended. The moderation team offers its assistance to help rewrite any submitted article into a form that preserves its original intent and

meaning, but is also on-topic, as well as readable and understandable by others.

2.2 Posting form requirements

Any article that falls into any of the following categories will be automatically rejected:

A) Articles that contain original text of more than 75 characters per line
B) Crossposted articles to newsgroups not included in these Guidelines
C) Articles that contain more than 400 lines
D) Encoded binary files (except PGP and other short digital signatures)
E) Attachments to posts
F) Articles containing obscene language
G) Articles from individuals who have been suspended or banned from the newsgroup

2.3 Guidelines on signature (.sig) files

Many people close each article they write with a few lines of common text. This may be a cute quip or quote, or may include information about their family, contact information, or disclaimers required by their employer, for example.

Signature files used on rec.radio.amateur.moderated posting must be no longer than 8 lines.

The content of a poster's signature need not be relevant to amateur radio, but it must not violate any of the other posting guidelines. (For example, name-calling that would not be acceptable in the body of a message is also unacceptable in a signature.) Posters may include Uniform Resource Locators (URL's) and business addresses in signature files, provided they comply with all the other guidelines regarding signatures.

2.4 Guidelines on excessive quoting

Posts more than 20 lines long that also have more than 75% quoted text will be carefully reviewed by a moderator to determine if that degree of quoting is warranted. Posts with excessive quoted text may be rejected.

Posters must show a reasonable effort to trim the post they are replying to and to include just enough material to establish context. "Me too!" posts are discouraged, and, when posted, must edit the quoted material significantly.

2.5 Guidelines on pointers to outside sources

Unsolicited announcements and pointers to web sites that are strictly advertisements or other public relations campaigns are not permitted. However, a pointer to a website or other external source of information

is permitted and encouraged in cases where it is relevant to an existing thread, with appropriate context being given in the post. A URL with no information about what a user should expect to find there will be rejected. A pointer to information that is off-charter for rec.radio.amateur.moderated will be rejected, as will a pointer which itself does not meet the rec.radio.amateur.moderated guidelines (such as a URL containing embedded name-calling).

Moderators are not responsible for verifying the contents of any external information source.

2.6 Guidelines regarding questioning someone's suitability hold an amateur radio license

Identifiable groups and individuals may not be asked/told/etc. not to obtain an amateur radio license, or to only obtain certain classes of amateur radio license. It is not permissible to make statements that a person or members of a specific group "should" not, or should not be allowed to, become an amateur radio operator.

Solicited advice of this type is permissible; however, posters must be careful not to explicitly generalize to others who are in some way "like" the poster asking the question. Stick to the individual asking for advice.

It is acceptable to discuss verified violations, documented in criminal convictions or other government enforcement actions, by a person or members of a specific group.

2.7 Guidelines regarding name-calling

Nastiness addressed at a person is considered name-calling. Criticizing a person's *actions* is not, provided that it is done in a civil manner.

Attacks on an action which by their very nature include an accusation against the person's character are not acceptable. For example, "That's a lie" implies an intentional prevarication, and is considered name-calling. Acceptable ways of questioning the truth of a poster's statement include the more tactful "I don't think that's true," "I believe you are mistaken because..." or even simply "That's not true." "That's not true and you know it" crosses back over into name-calling, however.

2.8 Guidelines regarding civility

By charter, posters are expected to maintain a civil tone in all their postings. The guidelines on name-calling cover part of that requirement, but not all of it.

In general, posters are expected to consider the reputations of other participants, and refrain from making unnecessary accusations or assumptions about the motivations of others. A good rule of thumb is to phrase your comments as your opinion -- "I think..." "It seems to me that..." "This makes me wonder whether..." etc...

Posters are expected to make factual claims, to debate topics openly and in good faith, and to accept honest criticism, all without provocation or prevarication. At least one professional organization, the Institute of Electrical and Electronics Engineers (IEEE), has recognized that such fair dealings are necessary components of ethical conduct, and has incorporated them into its Code of Ethics:

http://www.ieee.org/about/corporate/governance/p7-8.html

Though the Amateur Radio Service is not a professional endeavor, the moderators strongly feel that the IEEE Code of Ethics is also a worthwhile set of guiding principles for participants in the rec.radio.amateur.moderated newsgroup.

Posters are not required to support the American Radio Relay League (ARRL). However, they are expected to adhere to the spirit of the other parts of the ARRL's "Amateur's Code":

http://web.archive.org/web/20100131043828/http://www.arrl.org/acode.html

2.9 Guidelines regarding anonymity and pseudonyms |

Contributors to rec.radio.amateur.moderated are encouraged to use their | real names and/or amateur radio callsigns. This not only creates a | greater sense of community in the newsgroup, it also lends credibility | to posters' opinions. However, as a pragmatic concession to the | realities of the present-day Internet, and consistent with the practices | of other moderated newsgroups, pseudonyms and unroutable E-mail address | are permitted with some restrictions. |

We ask that the From: lines of submitted articles not misrepresent your | identity, not be changed often, and not match a user or domain name | other than your own (spoofing). Please also realize that if you use an | unroutable E-mail address, you will not be able to receive | acknowledgment or rejection messages for your submitted articles. |

2.10 Other unacceptable topics |

Participants are reminded that the charter also prohibits posts promoting or defending unlawful operating practices.

Posts may discuss whether operating practices are unlawful, or engage in reasoned debate over why certain operating practices should or should not be unlawful. Posts may discuss enforcement actions, such as by the Federal Communications Commission in the United States or similar government agencies in other countries, and evidence gathered by parties such as Official Observers in support of complaints about unlawful operation.

Discussions of what practices constitute unlawful operation in the Amateur Radio Service should be limited to *factual* descriptions of the laws in various jurisdictions. Posters' *opinions* as to what practices they consider unlawful are not permitted. In particular, posters are cautioned not to extrapolate their country's laws and regulations to those in other parts of the world, as they may be quite different.

Posts that entirely concern themselves with other radio services or hobbies, such as Citizen's Band, General Mobile Radio Service/Family Radio Service, and Scanner or Shortwave Listening, are considered off-topic to the rec.radio.amateur.moderated newsgroup. Newsgroups such as rec.radio.cb, rec.radio.scanner, and/or rec.radio.shortwave may be more appropriate venues for such posts.

Posts that attempt to publicly criticize moderators or moderation decisions in the newsgroup itself are also not permitted, as stated in our original newsgroup charter. Please direct any such critical feedback to our administrative contact address at the bottom of this article, where it will be carefully considered by an appeals team of moderators. This team is distinct from the initial team of moderators that approves or disapproves article submissions, and thus can provide independent oversight of moderation decisions.

Similarly, if you see an obviously inappropriate article in our newsgroup, please assume that it was a mistake or a direct forgery. The moderation team makes every effort to protect the newsgroup from such incidents, but they do happen, albeit rarely. You may also submit feedback to the same address regarding such articles in our newsgroup, but it is likely that our monitoring software and procedures have already detected it, and we are actively handling the problem. Please resist "piling on" with followups to the newsgroup when these incidents occur, so that we don't have to reject such articles.

Due to Usenet newsgroup access being eliminated at many ISP's, including MSN, AOL, RoadRunner, Time Warner, Verizon, Comcast, and Cox, we receive many article submissions asking about free or low-cost alternatives for accessing Usenet newsgroups such as ours. We initially permitted this topic in light of the significant impact to many of our readers due to this loss of access through their ISP's. However, this subject is arguably off-topic for our newsgroup, is better answered by other sources, and better discussed in other venues. Because of this, we will no longer approve submissions that request or suggest where to obtain access to Usenet newsgroups. For more information about this topic, please consult the following:

- The last approved thread of discussion about this topic on our newsgroup from October 2008:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/19770b88ec527aff/8dcee92de293f615?hl=en#8dcee92de293f615

- A list of News Service Providers maintained by the Big-8 Management Board:

http://www.big-8.org/wiki/News_Service_Providers |

- A list of Public News Servers at the Open Directory Project:

http://www.dmoz.org/Computers/Usenet/Public_News_Servers/

- An article with links and reader suggestions at Broadband Reports:

http://www.broadbandreports.com/shownews/96318

- Google Groups:

http://groups.google.com

The rec.radio.amateur.moderated Moderation Team does not endorse or recommend any particular News Service Provider (NSP). We encourage our readers to choose the free or subscription service that best meets their own personal needs based on their own evaluation of the available alternatives.

Please direct any comments, questions, or criticisms about this article to rec-radio-amateur-moderated-request@panix.com.

(Adapted, with permission, from the misc.kids.moderated Posting Guidelines.)

94. Amateur Radio Newsline(tm) Report 1853 - February 15 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-15 10:00:13 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130215100003.B4A5033C8E@panix2.panix.com>
Source record: 4
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1853 - February 15 2013

Amateur Radio Newsline report number 1853 with a release date of February 15 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. Ham radio responds to a Nor-Easter that hits the U-S-A and Canada; the IARU to do a review of the Region 2 High Frequency bandplan; a Utah Medical Center adds ham radio as a major back-up; the STRAND One ham radio phone-sat to launch late this month and a Charlotte North Carolina TV station accomplishes what hams have been doing for over a decade. Find out the details are on Amateur Radio Newsline(tm) report number 1853 coming your way right now.

(Billboard Cart Here)

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RESCUE RADIO: HAM RADIO RESPONDS TO NORTH-EAST BLIZZARD NEMO

Ham radio was ready when a severe winter storm hit the North-East. Amateur Radio Newsline's Bill Pasternak, WA6ITF, reports:

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Amateur radio operators in the North-East were kept busy as a gigantic midwinter storm nick named Nemo buried the Northeast in snow on Saturday, February 9th. The storm left behind a geographic region digging out of heavy white drifts and reeling from gale-force winds. And ham radio severe weather spotters were on the job as well. Take a listen:

--

Taunton Skywarn audio.

--

That was the sound of the Taunton Skywarn Amateur Radio Club's emergency activation network in Massachusettes as the network passed along snow levels to the National Weather Service while the mega storm continued on its Northward trek. During the storm WX1BOX was also tweeting flooding information down on the coast and reported that Martha's Vinyard had suffered some storm related damage.

In all, more than three feet of snow fell on parts of Connecticut, and more than two feet accumulated on New Yorks Long Island. The storm also caused coastal flooding that forced evacuations of some

Massachusetts low-lying communities. This as waves off the south shore of Boston and parts of Cape Cod measured as high as 20 feet.

According to news reports, hundreds of thousands of people were without power as wind gusts of up to 80 miles per hour cut power lines and toppled trees. More than 400,000 customers were reported without power in Massachusetts and at least another 180,000 in Rhode Island. Also lost in some areas was both wireline and cellular telephone service. For some it was several days before utilities were restored.

Meantime, hams involved in Skywarn and other severe weather spotting services did their best to keep the National Weather Service and through it the public informed on the very latest in information regarding this bitterly cold Nor-Easter as it played havoc with those in its path.

With thanks to Lloyd Colston, KC5FM, for supplying the WX1BOX audio clip, I'm Bill Pasternak, WA6ITF, in the newsroom in Los Angeles.

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(KC5FM)

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RESCUE RADIO: CANADIAN HAMS READY WHEN STORM HITS

But the United States North-East was not the only region affected by Nemo. The storm then moved North into Canada and Stefan Kinford, N8WB, has that part of the story:

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After several days of warnings, a major winter storm moved into the Canadian Maritimes. Messages from Bob Robichaud, VE1MBR, at the Atlantic Storm Prediction Centre in Dartmouth were being sent out to all CANWARN members to prepare them in case of activation. Information was also being posted on the Maritime Amateur website.

On Friday morning the call was made to activate CANWARN in Nova Scotia and Prince Edward Island on Saturday February 9th beginning at 8am Atlantic Time. A message went out to all CANWARN members to let everyone know of the net and that information Environment Canada would be looking for.

At 8 a.m. Saturday Morning, Net Control began operations by linking up 13 repeaters throughout Nova Scotia through the MAVCOM system, IRLP, Echolink and HF operations on 80 meters 3.770 MHz. CANWARN spotters were asked to record snowfall amounts each hour, visibility, wind speed, direction and storm surge. Notes would also be kept for any changeover from snow to freezing rain, ice pellets, rain, flooding and any other damage reports.

Starting at 11 a.m. damage reports starting coming in of trees down, roofs being blown off, flooding in coastal areas and roads being breached. Power outages were reported all over the province.

Over the next 12 hours Net Control recorded close to 200 messages. As darkness approached hams were told by Environment Canada that hams could close the net for the evening after the high tide at 10 pm in case of any reports of storm surge. The net activated again Sunday morning for only one hour to record any damage reports. At that time the net was terminated.

For the Amateur Radio Newsline, Im Stephan Kinford, N8WB, reporting.

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More information about CANWARN Atlantic can be found on The Maritime Amateur website at www.maritimeamateur.ca (VE1JBL)

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RESCUE RADIO: UTAH MEDICAL CENTER ADDS HAM RADIO EMCOMM BACKUP

Utah's Intermountain Healthcare Southwest Region's Dixie Regional Medical Center has completed installation of two special antennas. Both will serve as a part of its backup communications system powered by amateur radio.

Bob Vosper, AE7HY, is the Technical Manager for Washington County Amateur Radio Emergency Service. He notes that much of Intermountain's communications system is Internet-based. He notes that if the web connection goes down, that a possible communications blackout could occur.

To cope with this potential situation, the hospital arranged for Washington County Amateur Radio Emergency Service to install an amateur radio system as a back up that can function without the aid of the Internet or local radio repeaters. The system will also be able to transmit large blocks of data over amateur radio bands.

According to Vosper, other backup systems were already in place but adding ham radio is just an added redundancy. (StGeorge.com)

**

WORLDBEAT: IARU TO REVIEW REGION II HF BABDPLAN THIS YEAR

The ARRL reports that the International Amateur Radio Union Region 2 High Frequency bandplan will be a topic of discussion at a conference will be held later this year in Mexico. According to the League, the Region 2 conference is held every three years and is attended by delegations from the national Amateur Radio societies in the western hemisphere that are members of the IARU.

The ARRL is the IARU Member Society for the US. It notes that IARU band plans are voluntary guidelines. It adds that they do not have the force of FCC regulations and that for radio amateurs in the US, IARU

band plans are informational, not regulations. However most other countries do not have the detailed sub-band regulations as are in place here in the United States, so for radio amateurs in those nations the voluntary IARU band plans may offer the only guidance on frequency usage.

Hams living in Region 2 can find the current bandplan on-line at www.iaru-r2.org/band-plan. The Region 1 and Region 3 band plans are also posted there as well. (ARRL, IARU)

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HAM RADIO IN SPACE: STRAND-1 AMATEUR RADIO SMARTPHONE CUBESAT TO LAUNCH FEBRUARY 25

The BBC says that the world's first 'smartphone-sat' project called STRAND-1 will be ready to launch at the end of February. The STRAND-1 CubeSat will carry a Google Nexus One Android smartphone into space to demonstrate the feasibility of using cheap smartphone's electronics to control a spacecraft.

Also included will be a software-based speech synthesizer to commemorate the U-O-SAT family of amateur radio satellites that were launched in the 1980's. There will also be an amateur radio AX.25 packet radio downlink on 437.575 MHz.

The STRAND-1 satellite was built in Guildford in the United Kingdom by volunteers from the Surrey Space Centre and Surrey Satellite Technology Limited in their spare time. It is planned to be launched on February 25th into a 785 km orbit by the Indian Space Research Organization rocket. More is on-line at www.amsat-uk.org and we will have more ham radio space related news later on in this weeks Amateur Radio Newsline report. (AMSAT-UK)

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BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the N3EVW repeater serving Scranton Pennsylvania.

(5 sec pause here)

**

ENFORCEMENT: CONTINUED UNLICENSED OPERATION BRINGS NEW $25000 FINE

The FCC has affirmed a second $25,000 proposed fine to Whisler Fleurinor for unlicensed operation and this one it says its going to collect in full. Amateur Radio Newsline's Norm Seeley, KI7UP, has more:

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You may remember back to October of 2011. That's when the South Central Region of the Enforcement Bureau issued a Forfeiture Order to Whisler Fleurinor affirming its findings in a 25,000 Notice of Apparent Liability for unlicensed operation of a radio transmitter. At that time the agency agreed to reduce the forfeiture amount to $500 based solely on his inability to pay claim. Fleurinor then paid the $500 forfeiture and that was supposed to be the end of the matter. But it turned out to be just the tip of a much larger unlicensed radio iceberg.

On several dates in late 2011, agents from the Miami Office used direction-finding to locate the source of radio frequency transmissions on the frequency 99.5 MHz. Once again the signal was traced it to Whisler Fleurinor's commercial property in Fort Lauderdale. As a result, the Miami FCC Office issued Fleurinor a second Notice of Apparent Liability for Forfeiture on February 1, 2012, which proposed a $25,000 forfeiture. This included a $15,000 upward adjustment because of the deliberate nature of the violation and given that Fleurinor had already been fined and issued multiple Notices of Unlicensed Operation for the same infringement.

In his response to the proposed fine Fleurinor denied that he violated the Communications Act or any FCC order. He asserted that there had been no radio transmission of any kind for at least 6 months, and that there is no radio equipment at this location. Fleurinor also asserted that the only remnant of any radio equipment is a roof antenna which has been disconnected and was not operational. Finally, Fleurinor states that he is unable to pay the forfeiture and urged cancellation on that basis as well.

However, in its February 8th decision, the FCC says it's not buying Fleurinor's explanation or defense. It notes that agents from the Miami Office determined that unlicensed radio transmissions on the frequency 99.5 MHz weew transmitted from the antenna located on top of Fleuronior's commercial property on several occasions during 2011. Also that he admits that the antenna at issue was his, but denies that he was operating the unlicensed station on the specified dates. This says the FCC says it does not find credible because its agents collected their evidence over several months.

As to his inability to pay the proposed fine, the FCC says that hes going to have to find a way to do so. This is because in an individual's inability to pay a forfeiture is just one of the factors we consider in determining the appropriate forfeiture penalty. In this case the FCC says that the record evidence in this case shows that Fleurinor is a repeat offender, having already received and paid a forfeiture for the very same violations at issue and has been in violation, either continuously or intermittently since at least 2008.

For the Amateur Radio Newsline, I'm Norm Seely, KI7UP, watching this one from out here in Scottsdale, Arizona

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The bottom line is that the $25,000 fine stands and Fleurinor was given the customary 30 days to pay it, or the matter may be turned over to the Department of Justice for further action. And Norm adds that the other voice - er -bark you heard in his report is that of Henry J who wants a bit of credit too. (FCC)

**

RADIO CRIME: COPPER THEFT TAKES NWS RADIO SITE OFF THE AIR

National Weather Service Coordination Meteorologist Hector Guererro reports that a case of vandalism at the Coleman National Weather Service transmission site in Texas. One that took the Weather Radio station transmitter temporarily off the air.

Guererro said that county authorities reported that vandals broke into the transmitter building north of Coleman and stole the copper data feed lines that come from the city of San Angelo. The weather alert transmitter, which identifies as WXN-89, operates at 162.475 MHz. News reports say that many area Weather Alert radios and scanners are tuned to that frequency.

The lines are being replaced and the transmitter should be back on the air by the time you hear this report. Federal officials as well as Coleman county authorities are investigating the break-in and vandalism that damaged the federal government transmitting facility. (Nuizer.com, Brownwooid News)

**

RADIO CRIME: KWWK KNOCKED OFF THE AIR BY COPPER THIEF

Rochester Minnesota police are investigating a recent copper theft that took a local radio station off the air. Early Monday, February 4th, someone broke into the KWWK radio transmitter and tower site. The thief made off with both copper transmission line and a motor. An engineer found the crime when he went into work around 4 a.m.. Damage to the property is estimated at $550. (KTTC, others)

**

DELIVERY NOTICE: USPS TO SUSPEND SATURDAY MAIL DELIVERY

Receiving a QSL card could soon take a little bit longer. This with word that the United States Postal Service has announced that effective the week of August 5th, it will stop Saturday delivery of most mail first-class and standard mail, periodicals and direct-mail advertising. The only exceptions will be packages, mail-order medicines, priority and express mail which will still be delivered six days a week. At least for the time being. (USPS, others)

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HAM RADIO BUSINESS: HARBACH TO DISCONTINUE PETER DAHL TRANSFORMER LINE

The famed Peter Dahl line of transformers used in many ham radio power amplifiers is going away. According to an announcement on the Harbach Electronics website, the company says that producing these transformers in these hard economic times is simply no longer cost effective. According to Jeff Weinberg, W8CQ, of Harbach, he is in negotiations with other entities for someone else to take over the manufacture of Peter Dahl transformers and other components in that product line but as of airtime nothing has been decided. Harbach will discontinue the Peter Dahl product like effective February 14th. More is on-line at harbachelectronics.com. (Harbach Electronics)

**

HAM HAPPENINGS: HEIL SOUND TO AGAIN HOST NAB HAM RADIO RECEPTION IN LAS VEGAS

Heil Sound has once again signed on as a major sponsor of the Amateur Radio Operators Reception at this years National Association of Broadcasters Convention. The gathering is slated for Wednesday, April 10 from 6 to 8PM Pacific at the LVH Hotel in Las Vegas, Nevada.

This will be Heil Sound's eighth year as a sponsor and, according to company president Sarah Heil, there will be a "pile of Heil" with prizes being awarded throughout the evening. Company founder Bob Heil, K9EID, will be on hand to help emcee and entertain the crowd with his stories from the Ham Radio world.

Again that's The 2013 Amateur Radio Operators Reception, sponsored by Broadcast Supply Worldwide, Heil Sound, Ltd., and Turner Engineering, will be held on Wednesday, April 10th from 6 to 8PM at the L-V-H Hotel for the 2013 NAB Amateur Radio Operators Reception. This reception is open to all NAB badge holders and Bob and Sarah Heil say that they hope to see you there. (Heil Sound)

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HAM HAPPENINGS: CENTRAL STATES VHF CONFERENCE JULY 15 - 18

Conference registration is now open for the 2013 Central States VHF Conference that will be held July 25th to the 28th at the Elk Grove Holiday Inn in Elk Grove Village, Illinois. Conference features this year include an antenna test range, various talks and presentations as well as a special area for rover vehicles to be displayed. ARRL C-E-O Dave Sumner, K1ZZ, is slated as the banquet keynote speaker. More information is on-line at www.csvhfs.org/2013conference. (ANS, Central States VHF Society)

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NAMES IN THE NEWS: ALEX TARSHA, N0AMT JOINS QRZ.COM

Alex Tarsha, N0AMT, has joined QRZ dot com as a full time staff member in its systems engineering department. Tarsha is a US Air Force veteran who comes to QRZ from the defense industry where he has recently been serving as a Lead Software Security engineer. At QRZ he

will function as an Information Technology Engineer performing server maintenance and software development. Prior to Alex's arrival, and for the past 20 years, all of the software and engineering behind QRZ dot com has been done by site creator and owner Fred Lloyd, AA7BQ. (QRZ)

**

NAMES IN THE NEWS: CHIP MARGELLI, K7JA JOINS INNOVANTENNAS

And word that Chip Margelli, K7JA, has joined InnovAntennas. At Innov Margelli will manage sales and marketing activities in the Americas and will also contribute to the company's global strategic planning.

For those of you who might not be aware, K7JA has been as a champion contester, DXer and DXpeditioner for over his five decades and was a 2008 inductee into the CQ Amateur Radio Hall of Fame. On the professional side Margelli has over 35 years experience in the amateur radio industry with stints at Yaesu, Heil Sound and CQ Communications. (InnovAntennas)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

THE CHANGING OF THE GUARD: FORMER HAMVENTION CHAIRMAN WALLACE WRIGHT AD8N - SK

The changing of the guard in ham radio continues with word of the passing of former Dayton Hamvention General Chairman Wallace Wright, Jr. AD8N, on Sunday, January 27th. According to Ron Moorefield, W8ILC, Wright, then WA8ZCA served in the Hamvention's leadership role in the 1977 year.

Wallace Wright spent most of his career with Dayton Power and Light retiring after 32 years of service. He also provided spiritual leadership in several communities within Southwest Ohio for over 40 years as an AME pastor and pastoral assistant at Agape Bible Fellowship.

Wallace Wright, AD8N, is survived by his wife of over 43 years, Sylvia and his two children. At the time of his passing he was age 73. (W8ILC)

**

EMERGING TECHNOLOGY: SDR TOUCH TURNS TABLET OR PHONE INTO SDR RECEIVER

Ham Radio Science reports on an interesting new app called SDR Touch. This is software that allows you to use your Android tablet or cell-phone along with a RTL2832U USB plug in thumb drive as a Software Defined Radio.

All you need do is to plug the relatively inexpensive drive into your Android 4.0 devices USB port and load the SDR Touch app. The combination is reported to allow you to tune and decode the audio from it. Simple, easy and if we may add, cheap.

More about the device itself is on-line at www.realtek.com.tw. A video showing it in action is at tinyurl.com/sdr-tablet. (Southgate, Ham Radio Science)

**

HAM RADIO IN SPACE: ARISS SWITCHES TO ERICSSON RADIO AFTER EXPERIENCING PROBLEMS WITH THE KENWOOD D700

ARISS has switched radios. After experiencing issues with the Kenwood D700 on two consecutive school contacts, Amateur Radio on the International Space Station operations have announced plans to use the Ericsson radio on the Columbus module for all contacts until problems with the D700 are resolved.

Frank Bauer, KA3HDO, is AMSAT's Vice President for Human Spaceflight Programs. He says that for some reason signals from the Service Module Kenwood D700 radio are much diminished. He notes that a recent contact with Israel had low audio levels. Another contact with the Hospital for Sick Children was even worse. Only one student was able to talk to Chris Hadfield before signals on the ground were lost even though the crew reports hearing the ground station well.

It should be noted that both these contacts were with made using telebridge stations which have above average gear. Also astro-ham Hadfield used the space stations IP Phone, immediately after the hospital radio contact and answered all the student's questions so that all was not lost. A later contact with a school in Japan using the Columbus Module Ericsson radio proved very successful. (ANS, ARISS)

**

ON THE AIR: CELEBRATING 50 YEARS OF THE ALGERIAN AMATEUR RADIO ASSOCIATION

On the air, listen out for members of a group of Algerian hams who will activate special event callsigns 7T9A and 7T50ARA. This to celebrate the 50th anniversary of the Algerian Amateur Radio Association. QSL both callsigns by the Bureau or direct to: PO Box 1, Algiers RP 16000, Algeria. Sorry, but no International Reply Coupons will be accepted for this one. (Via e-mail)

**

DX

In DX, V47JA will again be operating from his Calypso Bay, St. Kitts, vacation home from February 20th until March 21st. Active will be on 160 throuhgh 6 meters and will include 60 meters. Jon also advises Amateur Radio Newsline that he plans to take part in the CQ 160 Meter Contest February 22nd through the 24th and the ARRL International DX Contest on March 2nd and 3rd, both on SSB. QSL's via W5JON either direct or electronically via Logbook of the World.

VE3DZ will be on the air from Jamaica as 6Y2T until February 19th. He's reportedly operational on 160 through 10 meters using CW, SSB and RTTY. QSL via VE3DZ.

An international team will be on the air from Burundi through February 23rd. In total they will have 9 operators and four stations using the callsign 9U4U. Activity is on 160 through 10 meters using CW, SSB and RTTY. The operations QSL Manager is M0URX

W1VE will be active as 8P9RM from Barbados starting February 26th. His operation will be on 160 through 6 meters with a focus on CW and the lower bands. QSL via W1VE.

An International group, along with the Tunisian Radio Amateurs and the Engineering University of Gabes, are planning another DXpedition to Djerba Island between April 29th and May 6th. The Tusisian Amateur Radio Society is expected to receive the callsign TS8TI on or about March 15th. Operations for this DX outing will be on all HF bands including the 30, 17 and 12 meters using CW, SSB, RTTY, AMTOR and PSK31. Late word is that they are looking for operators, sponsors and individual contributions to make this operation possible.

Lastly, Bill Moore NC1L, the ARRL's Awards Branch Manager says that the current 5X8C operation from Uganda, along with the T6TJ and T6BP operations from Afghanistan have been approved for DXCC credit. If you've had cards declined except Logbook of the World applications please send an e-mail to bmoore (at) arrl.org to be placed on the list for an update. If your QSOs were confirmed only via Logbook of the World, they were not imported to DXCC since at the time of your application these were not yet approved. Moore says that Logbook of the World confirmed QSOs' can be reclaimed via your next submission only. Also from NC1L word that the Zed-81-A and Zed-81-D operations commencing back in 2012 from Republic of South Sudan have also been approved,

**

THAT FINAL ITEM: TV STATION LAUNCHES BALLOON TO EDGE OF SPACE

And finally this week, , Charlotte NBC affiliate WCNC, decided to do what ham radio operators have been doing for many years. That being to put some consumer grade video cameras inside a box, tie it to a helium filled balloon and launch it toward near-space. Amateur Radio Newsline's Cheryl Lasek, K9BIK, has the story of this unexpected extended flight:

--

Corrie Harding is WCNC's news director. He says that he saw a video on YouTube of two people launching a beer can toward space and wanted to see if his station could do the same thing. So with the help of Hackerspace Charlotte the station took two Go-Pro cameras, a lunchbox, a helium filled balloon, a 3D model of an astronaut with meteorologist Larry Sprinkle`s face attached and launched it to see how high it would reach.

The balloon rose to an altitude of 102,457 feet before breaking and sending both the cameras and the astronaut model plummeting back toward Earth. The package took 3 1/2 hours to ascend and 45 minutes to fall back to Earth. The station says that the package was found 25 days after the balloon was found by an air search lying in several acres of briars 172 miles from where it launched.

You can watch the video of the flight and the payload recovery at tinyurl.com/wcnc-balloon.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

According to Mark Garrett at least one ham radio operator was involved in the WCNC mission. Garrett identifies him as August Flassig, N6TYE, whose APRS call was used for the flight. (Media World)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Skeeter Nash, N5ASH, near Houston, Texas, saying 73 and we thank you for listening.

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95. FCC Daily Digest 02/15/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-15 17:45:12 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-526248-2013.02.15-12.05.37--rec-radio-info#panix.com@info.fcc.gov>
Source record: 5
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 32 February 15
, 2013

[...]

Report No: 27927 Released: 02/15/2013. BROADCAST APPLICATIONS. MB http:
//hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-318918A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-318918A2.txt

[...]

96. March 2013 QST Digital Edition - Special Antenna Issue

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-15 19:04:50 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130215141249.B64C425410@bmail.arrl.org>
Source record: 6
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.antenna,rec.radio.info

March 2013 /QST/ Digital Edition - Now Available
<http://www.nxtbook.com/nxtbooks/arrl/qst_201302/>
**
<http://www.nxtbook.com/nxtbooks/arrl/qst_201302/>
Go to this link and start reading: March 2013 /QST/
<http://www.nxtbook.com/nxtbooks/arrl/qst_201303/>.

* It's Our Annual Antenna Issue!*

* Cover the entire 80 meter band with one dipole.
* Build two easy antennas for 1200 MHz.
* Try a different tilt-over mast.
* Add 6 meters to the Hy-Gain LJ-103BA Yagi.
* ...and much more!

* Enjoy Content You Won't Find in the Print Edition...*

* A video overview of the Tokyo Hy-Power HL-550FX linear amplifier
* Video walkthroughs of the MFJ-976 and Palstar BT-1500A balanced
antenna tuners

Every issue of /QST /is filled with the news and features you need to
keep active in Amateur Radio. Enjoy this issue!

December 2012 QST - Digital Edition
<http://www.nxtbook.com/nxtbooks/arrl/qst_201303/>

Apple App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>
Download the */QST/ App* for Apple mobile device users. The app is free
in Apple's App Store
<https://itunes.apple.com/us/app/qst/id531766442?mt=8>. Users with
Android devices should use the enhanced web version
<http://www.nxtbook.com/nxtbooks/arrl/qst_201303/> of /QST/ which is
optimized to automatically recognize Android phones, tablets and e-book
readers.

What is a digital edition?
The digital edition of /QST/ is an electronic form of the journal. All
ARRL members have access to the digital edition of /QST/...a way to read
and interact with the current issue of /QST/ anytime, anywhere. Each
issue includes unique, digital-edition-only content such as video, audio
features and extra content. Members can also access the digital archive
for access to previous issues.

How do I access the digital edition?
/QST/ can be read online or downloaded onto some devices. Members must have a valid ARRL website login to access this benefit. You can always find a link to the current digital edition and archives at www.arrl.org/qst <http://www.arrl.org/qst>. Apple iOS device users (iPhone, iPad and iPod touch) can also access the digital edition from a dedicated QST app. The app is free in Apple's App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>.
To login or register, go to www.arrl.org/myarrl <http://www.arrl.org/myarrl>.
Forgot password? Go to www.arrl.org/forgot-password <http://www.arrl.org/forgot-password> to reset your password.
Not a member? Join today <http://www.arrl.org/join/QDF> and get access to the current digital edition, now.
Need help? Visit the digital edition help page <http://www.arrl.org/digital-qst-faq> for frequently asked questions.
Need more help? Contact Member Services by telephone 860-594-0200 or 888-277-5289 (US only) or email circulation@arrl.org <mailto:circulation@arrl.org>.

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ARRL logo
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225 Main Street, Newington, CT 06111-1494 USA
www.arrl.org <http://www.arrl.org>

97. Tom and Cleo Bracket, K0JFN and K0JFO

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-17 05:14:49 UTC
From: ARRL Members Only Web site <memberlist@www.arrl.org>
Message-ID: <20130217010808.211C523E89@bmail.arrl.org>
Source record: 7
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,oma.general,nebr.misc,rec.radio.info

Thanks to Bill MCollum, KE0XQ, for forwarding a link to a wonderful story about Tom and Cleo Bracket, K0JFN and K0JFO, in this morning's World Hearld.

Here is the link: http://tinyurl.com/cy2jauh

Nice to read something that makes you really feel good.

73, Art K0AIZ

ARRL Nebraska Section
Section Manager: Arthur I Zygielbaum, K0AIZ
k0aiz@arrl.org
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98. FCC Daily Digest 02/21/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-21 17:14:31 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-526362-2013.02.21-11.36.38--rec-radio-info#panix.com@info.fcc.gov>
Source record: 8
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 35 February 21
, 2013
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[...]

REVISION OF PART 15 OF THE COMMISSION'S RULES TO PERMIT UNLICENSED NATIONA
L INFORMATION INFRASTRUCTURE (U-NII) DEVICES IN THE 5 GHZ BAND. The Commi
ssion adopted Notice of Proposed Rulemaking that proposes to unleash additi
onal spectrum to accelerate and expand new Wi-Fi technology. (Dkt No. 13-4
9). Action by: the Commission. Adopted: 02/20/2013 by NPRM. (FCC No. 13-
22). OET http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A1.do
cx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A2.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A3.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A4.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A5.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A6.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A2.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A3.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A4.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A5.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A6.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A2.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A3.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A4.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A5.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-22A6.txt

[...]

99. The ARRL Letter for February 21, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-21 23:09:09 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130221202941.A606C263E6@bmail.arrl.org>
Source record: 9
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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The ARRL Letter

Published by the American Radio Relay League
**********************************************

February 21, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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Reconsideration and Upholds $24,000 Fine for Unlicensed Radio
Operations, Refusing Inspection of Radio Equipment
- + Public Service: Hams Across New England and the Maritimes Respond
to Blizzard
- + Public Service: American Red Cross to Phase Out Emergency
Communication Response Vehicles
- + Amateur-created "Varicode" Adopted as ITU Recommendation
- Australian Amateurs May Lose 2300-2302 MHz
- + Check Out the March Issue of QST
- ARRL Spring Section Manager Election Results
- Solar Update
- + International Space Station Experiences Loss of Communications with
Ground Control
- On the Air: Three Operations Approved for DXCC Credit
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC ENFORCEMENT NEWS: FCC DENIES CALIFORNIA MAN'S PETITION FOR
RECONSIDERATION AND UPHOLDS $24,000 FINE FOR UNLICENSED RADIO
OPERATIONS, REFUSING INSPECTION OF RADIO EQUIPMENT

In June 2011, the FCC issued a Forfeiture Order in the amount of
$24,000 to Kevin W. Bondy of Encino, California for engaging in
unlicensed radio operation and intentional interference to licensed
radio operations and for refusing to allow an inspection of his radio
equipment by FCC personnel. Following a Petition for Reconsideration
filed by Bondy, the FCC issued a Memorandum Report & Order on February
15, upholding the $24,000 fine.
```

In assessing the $24,000 fine, the FCC noted that it was responsible for making and enforcing regulations to prevent interference and to maintain control over the use of the radio spectrum in a manner that promotes the public interest and convenience. "Bondy's acts cut at the heart of the Commission's responsibilities to protect the nation's airwaves and regulate use of the spectrum," the 2011 Forfeiture Order said. "Bondy operated a radio without a license on the specific frequencies assigned and licensed by the Commission to The Oaks Shopping Center for the explicit and expressed purpose of prohibiting The Oaks's use of its licensed frequencies. This type of conduct inhibits the Commission's ability to effectively regulate and maintain control over the use of the spectrum and will not be tolerated." Read more here <http://www.arrl.org/news/fcc-upholds-california-man-s-24-000-fine-for-unlicensed-radio-operations-refusing-inspection-of-radi>.

==> + PUBLIC SERVICE: HAMS ACROSS NEW ENGLAND AND THE MARITIMES RESPOND TO BLIZZARD

As a blizzard swept across New England February 9-10, SKYWARN was ready. The storm dumped heavy snowfall -- with some areas receiving upwards of 3 feet of snow -- as blizzard conditions brought hurricane force winds that created power outages and significant tree and power line damage over Southeastern Massachusetts and Rhode Island. ARRL Eastern Massachusetts Section Emergency Coordinator Rob Macedo, KD1CY, helped lead operations at WX1BOX, the Amateur Radio station at the National Weather Service office in Taunton, Massachusetts, where hams were active for 28 continuous hours. Macedo also serves as the ARES SKYWARN Coordinator for the NWS office in Taunton.

The blizzard did not just affect the New England area -- Canada caught the brunt of the storm, as well. According to CANWARN's Jim Langille, VE1JBL, CANWARN members received messages from Bob Robichaud, VE1MBR, at the Atlantic Storm Prediction Centre in Dartmouth, Nova Scotia to let them know of the storm and that there was the possibility of an activation. CANWARN is the Canadian equivalent to SKYWARN. Read more here <http://www.arrl.org/news/hams-across-new-england-and-the-maritimes-respond-to-blizzard>.

==> + PUBLIC SERVICE: AMERICAN RED CROSS TO PHASE OUT EMERGENCY COMMUNICATION RESPONSE VEHICLES

The American Red Cross has made the decision to phase out and decommission its Emergency Communication Response Vehicles (ECRVs) due to changes in technology, as well as a new satellite system and other factors regarding the vehicle fleet. "Retrofitting the decade-old vehicles with new equipment is not a good use of donated funds, as the long-term strategy is to move to more portable systems," American Red Cross Disaster Services Technology Manager Keith Robertory, KG4UIR, told the ARRL. "This is consistent with the trends in the telecom and technology industries."

The American Red Cross will be removing the Amateur Radios from the ECRVs as part of the decommissioning process. These radios will either become part of the deployable inventory or provided to the local American Red Cross chapter to build local capacity. Robertory explained that from a radio perspective, the American Red Cross has a variety of different kits for amateur, business and public safety bands covering HF, VHF and UHF with portable radios, mobile units and base stations: "Two-way radio remains a valuable tool, providing communications in the initial days or weeks of a disaster, until normal communications is restored. Each American Red Cross chapter should continue with -- and improve -- the relationship with their local Amateur Radio operators. In a disaster, Amateur Radio will be the fastest deployed radio network because operators already live in the impacted communities." Read more here <http://www.arrl.org/news/american-red-cross-to-phase-out-emergency-communication-response-vehicles>.

==> + AMATEUR-CREATED "VARICODE" ADOPTED AS ITU RECOMMENDATION

On Tuesday, February 19, Fran&#65533;ois Rancy -- Director of the Radiocommunication Bureau of the International Telecommunication Union -- announced the simultaneous adoption and approval by correspondence of a new Recommendation entitled Telegraphic Alphabet for Data Communication by Phase Shift Keying at 31 Baud in the Amateur and Amateur-Satellite Services.

The alphabet -- commonly called "Varicode" because the more frequently used characters (in the English language) occupy fewer bits -- was developed by Peter Martinez, G3PLX, in the 1990s. Martinez was awarded the ARRL Technical Innovation Award for the year 2000 by the ARRL Board of Directors for his development of PSK31, which uses Varicode for transmission efficiency in much the same way as the Morse code. In ITU parlance, it now becomes Recommendation ITU-R M.2034.

Adoption of the Recommendation is the culmination of work conducted in ITU-R Study Group 5 and its Working Party 5A during 2011 and 2012. Working Party 5A is responsible for studies of techniques and frequency usage in the Amateur and Amateur-Satellite Services, as well as certain aspects of the land mobile and fixed services. Read more here <http://www.arrl.org/news/amateur-created-varicode-adopted-as-itu-recommendation>.

==> AUSTRALIAN AMATEURS MAY LOSE 2300-2302 MHZ

The Australian Communications and Media Authority (ACMA <http://www.acma.gov.au/>) -- that country's equivalent to the FCC -- has proposed changes to spectrum usage in the 2300-2302 MHz band that will make it off-limits to Australian amateurs as of 2015. The ACMA wants to re-allocate the spectrum to LTE (Long-Term Evolution) wireless data systems, the kind popularly used for mobile broadband applications. The proposed change would give LTE services 100 MHz between 2300 and 2400 MHz.

According to the Wireless Institute of Australia (WIA <http://www.wia.org.au/>), this secondary Amateur Radio allocation is the only viable option for Earth-Moon-Earth (EME) contacts between Australia and IARU Region 2 (where the EME activity is on 2304 MHz) or Region 1 (which uses 2320 MHz). If the reallocation goes through, Australian EME activity would then be confined to 2400 MHz and above, where ISM and Wi-Fi equipment are likely to cause interference.

"Amateurs in the United States are in no immediate danger of losing 2300-2305 MHz because the use of the 2300-2400 MHz band by various radio services in this country is quite different from most of the world," explained ARRL Chief Executive Officer David Sumner, K1ZZ. "Unfortunately, our colleagues in many other countries are facing the same challenge as in Australia, as the pressure grows for commercial mobile broadband services." -- Thanks to Phil Wait, VK2ASD, and the Wireless Institute of Australia for the information

==> + CHECK OUT THE MARCH ISSUE OF QST

The March issue of QST -- our annual antenna issue -- celebrates that integral part of any radio amateur's station. So grab your print edition of QST -- or settle in with your computer or tablet to read the digital version <http://www.nxtbook.com/nxtbooks/arrl/qst_201303/index.php> -- and discover what the March issue has to offer.

Usually it's possible to cover the full width of an amateur band with a single dipole. But when it comes to 75 meters (SSB) and 80 meters (CW), it gets a bit trickier. In his article "A Wideband Dipole for 75 and 80 Meters," Ted Armstrong, WA6RNC, takes a look at how you can cover 3.5-4 MHz with just one antenna. On the other end of the spectrum, both 10 and 6 meters see a lot of activity. Larry King, N5AFY, explains a way to combine these two hot bands on one antenna in his article "The Technician 6 and 10 Meter Special." And the reason the higher bands are so hot right now? It's all due to the Sun and Solar Cycle 24. In his article "The Sun and the Ionosphere," former NCJ Editor Carl Luetzelschwab, K9LA, explains how that relationship establishes the limits of HF propagation.

While many amateurs envy big antennas, there is something to be said for good things that come in smaller packages. Stan Levandowski, WB2LQF, knows that this is true, especially when it comes to the size of his shack. In his article "The 11 Square Foot Ham Shack," he shows how you can have a comfortable, efficient station in a small footprint. And just as all ham shacks are not created equal, neither is all audio. NCJ Managing Editor Rick Lindquist, WW1ME, explains how "amping it up" may hurt more than it helps in his article "Your On-the-Air Sound."

QST Product Review Editor Mark Wilson, K1RO, takes a look at the Tokyo Hy-Power Labs HL-550FX linear amplifier in this month's Product Review. He says this amplifier "covers 160-6 meters in a compact package." QST Technical Editor Joel R. Hallas, W1ZR, checked out the MFJ-976 and Palstar BT-1500A high power balanced antenna tuners, noting that both

antenna tuners can match most balanced antenna systems on most bands. You can find video overviews of the Tokyo Hy-Power Labs HL-550FX linear amplifier <http://www.nxtbook.com/nxtbooks/arrl/qst_201303/index.php#/54>, the MFJ-976 high power balanced antenna tuner <http://www.nxtbook.com/nxtbooks/arrl/qst_201303/index.php#/56> and the Palstar BT-1500A high power balanced antenna tuner <http://www.nxtbook.com/nxtbooks/arrl/qst_201303/index.php#/58> in the digital edition of the March issue of QST <http://www.nxtbook.com/nxtbooks/arrl/qst_201303/index.php>.

Of course, there are the usual columns you know and have come to expect in the March issue of QST: Happenings, Hints & Kinks, The Doctor is In, Short Takes, Technical Correspondence, Vintage Radio, How's DX? and more. Look for your March issue in your mailbox and in your inbox. QST is the official journal of the ARRL, the national association for Amateur Radio. QST is just one of the many benefits of ARRL membership. To join, or to renew your ARRL membership, please see the ARRL web page <https://www.arrl.org/join-arrl-renew-membership/>.

==> ARRL SPRING SECTION MANAGER ELECTION RESULTS

Montana, Arizona and Iowa will be getting new Section Managers beginning April 1. In the only contested race this election cycle, George Forsyth, AA7GS, of Great Falls, beat out incumbent ARRL Montana Section Manager Doug Dunn, K7YD, of Livingston. Forsyth received 199 votes, while Dunn received 175 votes; Dunn has served 10 years as Section Manager. Forsyth -- an ARRL Life Member and ARRL Volunteer Examiner -- has been licensed for more than 28 years. He has served as the president and a board member of the Great Falls Area Amateur Radio Club and as a director of the Glacier Waterton International Hamfest. Ballots were counted at ARRL Headquarters on Tuesday, February 19.

Only one candidate was nominated for Section Manager in the Arizona and Iowa Sections. Robert Spencer, KE8DM, of Yuma, will take over from ARRL Arizona Section Manager Tom Fagan, K7DF, of Tucson, who has been in office since 2005. Fagan decided not to run for another term of office. Robert McCaffrey, K0CY, of Boone, will succeed ARRL Iowa Section Manager Tom Brehmer, N0LOH, of Muscatine, who also decided not to run for another term of office. Brehmer has been Section Manager since 2009.

The following incumbent ARRL Section Managers did not face opposition and were declared elected for their next two-year terms of office beginning April 1: Dale Temple, W5RXU, Arkansas; Jim Brooks, KY4Z, Kentucky; Malcolm Keown, W5XX, Mississippi; Walt Mayfield, KE5SOO, North Texas; Carl Gardenias, WU6D, Orange, and Garth Crowe, N7XKT, Wyoming.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: There was a modest rise in the average daily sunspot numbers over the past seven days, rising 27 points to 78.3, while the average daily solar flux was up marginally, only 1.6 points to 105.6. The geomagnetic indices also went up, with the planetary A index rising from 5.6 to 6.4, and the middle latitude A index rising from 5.1 to 6. But there was a more substantial rise in both the solar flux and sunspot numbers for the past three days, with the solar flux at 104.7, 112.4 and 113.5, and the sunspot numbers at 92, 117 and 106. The predicted solar flux is 115 on February 21-22, 110 and 105 on February 23-24, 100 on February 25-March 3, 95 on March 4-14, 100 on March 15-16, 115 on March 17, and rising to 120 on March 18-20, which represents a peak for the next 45 days. The predicted planetary A index is 8 on February 21-22, 10 on February 23-24, 8 on February 25, 5 on February 26-28, 10 and 8 on March 1-2, 5 on March 3-10, 7 on March 11-12, and back down to 5 on March 13-27. Over the next month, we can look forward to improving HF conditions as we progress toward the spring equinox, which occurs on Wednesday, March 20 at 1102 UTC. Look for more on the ARRL website on Friday, February 22. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + INTERNATIONAL SPACE STATION EXPERIENCES LOSS OF COMMUNICATIONS WITH GROUND CONTROL

At approximately 9:45 AM EST (1445 UTC) on Tuesday, February 19, the International Space Station (ISS <http://www.nasa.gov/mission_pages/station/main/index.html>) experienced a loss of communication with the ground. At that time, flight controllers in Houston were updating the software onboard the ISS's flight computers when one of the ISS's data relay systems malfunctioned. The primary computer that controls critical station functions defaulted to a backup computer, but it did not allow the ISS to communicate with NASA's tracking and data relay satellites. Mission Control at Johnson Space Center in Houston, Texas was able to communicate with the crew as the ISS flew over Russian ground stations before 11 AM EST (1500 UTC) and instructed the crew to connect a backup computer to begin the process of restoring communications. Once communication was re-established, Expedition 34 <http://www.nasa.gov/mission_pages/station/expeditions/expedition34/index.html>
Commander Kevin Ford, KF5GPP, reported that the ISS's status was fine and that the crew was doing well. Communication systems were restored as of 12:34 PM EST. -- Thanks to NASA for the information

==> ON THE AIR: THREE OPERATIONS APPROVED FOR DXCC CREDIT

ARRL DXCC Manager Bill Moore, NC1L, reports that three current operations have been approved for DXCC credit: 5X8C in Uganda (commencing in 2012) and the T6TJ (commencing in 2012) and T6BP (commencing in 2011) operations in Afghanistan. "If you have had cards for these operations rejected in a recent application, please send an

e-mail <bmoore@arrl.org> to the ARRL DXCC Desk and you will be placed on the list for an update," Moore said. "If your QSOs were only via Logbook of The World (LoTW <https://p1k.arrl.org/lotwuser/default>), they were not imported to DXCC, since the operations were not approved at the time of your submission. LoTW QSOs can be reclaimed via your next LoTW submission. Once updated, results will appear in LoTW accounts, as well as online in the daily listings <http://www.arrl.org/dxcc>.

==> THIS WEEK IN RADIOSPORT

This week:

- February 22 -- NCCC Sprint Ladder
- February 22-23 -- CQ 160-Meter Contest (SSB)
- February 23-24 -- Mississippi QSO Party; North American QSO Party (RTTY); REF Contest (SSB); UBA DX Contest (CW)
- February 24 -- High Speed Club CW Contest
- February 24-25 -- North Carolina QSO Party
- February 25-27 -- CQC Winter QSO Sprint
- February 27-28 -- CWops Mini-CWT Test

Next week:

- March 2 -- Wake Up! QRP Sprint
- March 2-3 -- ARRL International DX Contest (SSB) <http://www.arrl.org/arrl-dx>
- March 3 -- DARC 10 Meter Contest
- March 5 -- AGCW YL-CW Party
- March 6-7 -- AWA John Rollins Memorial DX Contest

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- February 23 -- ARRL Vermont State Convention <http://www.arrl.org/hamfests/vermont-state-convention-ham-con-3>, South Burlington, Vermont
- March 8-9 -- ARRL Oklahoma Section Convention <http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfest-1>, Claremore, Oklahoma; ARRL Louisiana Section Convention <http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annual-hamfest>, Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention <http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,

Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-patrick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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<http://www.arrl.org/>

100. Welcome to rec.radio.info!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-22 07:00:04 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/welcome-1-1361516402@panix.com>
Source record: 10
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/welcome
Revision: 1.5 2013/02/21 04:09:48
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** Welcome to rec.radio.info! ***

Welcome to rec.radio.info, a group that aims to provide a noise-free
source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group
every month. You are now reading the first article, which explains what
rec.radio.info is, and answers some Frequently Asked Questions. The
second article is titled Posting Guidelines, and you only need to read
it if you want to submit an article to rec.radio.info.

You can skip to the next section of this article by searching for the
next
" -- " string. The sections available are:
- What is the purpose of rec.radio.info?
- Why are messages almost always cross posted to rec.radio.info?
- What is a 'follow-up', and what does 'moderated' mean?
- OK, so now I know what 'moderated' means. Tell me more.
- What type of material is considered inappropriate?
- I do not have access to news, how can I get the information posted to
rec.radio.info?
- Will the material appearing in rec.radio.info be archived somewhere?
- I have a regular posting with timely information, is there a way to
speed up it's delivery, or automate for more convenience?

-- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet
community with a resource for information, news, and facts about any and
all things radio.

All the other rec.radio groups are intended for discussions and general
chit chat about radio. Rec.radio.info will contain informational,
factual articles only. Follow-ups are redirected to an appropriate other
group, and further discussion (if any) will not take place in
rec.radio.info.
```

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- Why are messages almost always cross posted to rec.radio.info?

It provides a "tag" for each article to be assembled into a filtered presentation in rec.radio.info (even with cross-posting, only one message, with a unique Message-ID, is propagated across the net). This tag also facilitates a pre-existing method of dropping or canceling the articles locally within the discussion groups if you don't want to see them. This accommodates individuals who want to separate the bulletins from the discussions, discussions from the bulletins, as well as those who are adamant about not reading another newsgroup and wanted to see everything all in one basket.

With the total size of Usenet (in number of newsgroups and total traffic) doubling every year or so, this is no insignificant contribution to reducing information noise and chaos. Making the discussion groups a catch-all, and making extra newsgroups filters on that catch-all, is also the most realistic way to implement such a scheme (It's not intuitively obvious what the charter, contents, and general appropriate topics for each and every newsgroup are. Seeing FAQ's and charter/intro postings in the home newsgroup is beneficial for new readers).

By cross-posting one only is adding a few tens of bytes to each bulletin (to specify the extra group on the Newsgroups line), but are adding the capability for very powerful filtering features available on most news servers, listservers and readers. Your local news guru could probably explain these features in more detail.

In rn, for example, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

/Newsgroups:.*[,]rec\.radio\.info/h:j

either in ~/News/KILL (if you don't want to see rec.radio.info articles anywhere) or ~/News/rec/radio/amateur/misc/KILL (if you don't want to see them just in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

rec.radio.info:!s/:^

in ~/.nn/kill (if you don't want to see rec.radio.info articles anywhere), or put the following lines:

sequence
rec.radio.info
rec.radio.

at the end of ~/.nn/init in order to see all the rec.radio.info bulletins first, then read the remaining rec.radio.* without the

bulletins.

In slrn, according to the srln FAQ, the following scoring rule will allow you to see rec.radio.info-crossposted bulletins, while still filtering out most SPAM or "Velveeta" crossposted to more than 2 newsgroups (as such articles usually do not contain a 'Followup-To:' header):

Score: -9999
Newsgroups: ,.*,
~Followup-To: .

More information about kill files may be obtained from Dave Fawthrop's Killfile FAQ at:

http://static.slated.org/killfile/killfilefaq.htm |

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup news.announce.newusers. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to news.announce.newusers.

For the rest of this article, we will assume you have a basic knowledge of Usenet terminology and mechanics.

A moderated group means that any article that needs to be posted to the group has to be accepted by the moderator of the group. Since we need to ensure that followups to an article (discussion) do not show up in the rec.radio.info newsgroup, the `Followup-To:' header line contains a newsgroup that is appropriate for discussions about the specific article.

-- OK, so now I know what 'moderated' means. Tell me more.

Rec.radio.info is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is the rec.radio.amateur.moderated Moderation Team. Submissions to rec.radio.info can be posted, or e-mailed to:

rec-radio-info@panix.com

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

rec-radio-info-request@panix.com

But before you do so, please be sure to check out the "Posting Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

1) Requests for information: rec.radio.info is strictly a one-way street. We receive information in our mailbox; we then post it to rec.radio.info. Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.

2) Obvious discussion articles, or articles that appear unsubstantiated.

3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, We would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. We reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all we can allow.

-- I do not have access to news, how can I get the information posted to rec.radio.info?

Google has an excellent web interface to Usenet newsgroups. It is available at:

http://groups.google.com

It supports both reading and posting.

Another excellent web interface to at least the radio-related Usenet newsgroups is the RadioBanter site:

http://www.radiobanter.com

sponsored by the NewsgroupBanter project:

http://www.newsgroupbanter.com

It, too, supports both reading and posting.

-- Will the material appearing in rec.radio.info be archived somewhere?

Yes. See Google Groups and RadioBanter above.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as time critical.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires co-operation and goodwill to be beneficial to the community in the rec.radio hierarchy.

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

101. rec.radio.info Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-22 07:05:02 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/guidelines-1-1361516701@panix.com>
Source record: 11
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/guidelines
Revision: 1.6 2013/02/21 04:09:06
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** rec.radio.info - Posting Guidelines and Etiquette ***

Two introductory articles about rec.radio.info are posted to this group
and to rec.answers/news.answers every month. You are now reading the
second article, which explains how to submit something to
rec.radio.info, and which answers some Frequently Asked Questions about
the submission process. The first article is titled "Welcome to
rec.radio.info", and it might be a good idea to check it out as well.

-- How do I submit something to rec.radio.info?

Two possibilities. You can use your newsreading software to just post
the article to rec.radio.info, as you would do with any other
newsgroup. The difference is that the software recognizes the special
status of rec.radio.info as a moderated group, and will e-mail your
article to us, the moderation team, instead of posting it to the group.

Alternatively, you can mail your article directly to us at the following
address:

rec-radio-info@panix.com

Mailing us directly is probably (a wee bit) faster, but using the
transparency offered by the newsreading software is probably more
convenient.

If you have any questions, or wish to deal with some administrivia with
the moderation team, we suggest mailing to the following address:

rec-radio-info-request@panix.com

-- How soon will I see my article appear?

It depends on how busy we are. Your article reaches us as mail, we have
to read it first, give it the stamp of approval, and finally send it on
to the group. We will attempt to read and decide on all submissions
within 72 hours at the very least, though we will probably be able to
process submissions much faster in actual practice.
```

The site from which we moderate this newsgroup, "Public Access Internet and Unix, NYC" (Panix), is directly connected to the Internet, and articles posted at that site should appear at most major news sites, including Google Groups, the same day. The principal delay, therefore, will be the wait in the moderator's submission queue.

If you post a periodic article, and have shown to be trustworthy, we may allow you to post directly if the article is of a timely nature. See the section below on direct posting.

-- Should my article be in a specific format?

No. If it is not totally illegible, we will accept it, and if it does not have a correct subject-line we will correct it with your permission -- that's what a moderator is for.

However.

You could do us a big favor by making sure your article conforms to these simple requirements:

1) The article must present information, not discussion or requests, We will reject the article or require you to change the wording if it is worth it.
2) A good, descriptive Subject line.
3) Always mention what source you got the information from.
4) Don't forget to include a Followup-To header, at least if you don't want further discussion to automatically be forwarded to you, the poster, which is the default if the article is only posted to rec.radio.info.

As we said: if your article is appropriate we will post it even if you don't follow these guidelines, but then don't blame us for not processing it immediately. 'Perfect' articles we can send on with a couple of keystrokes. Stuff that needs minor editing is going to have to wait until we have time to do so.

Please do not waste both our and your time by posting requests, as this is an information only news group.

-- What about crossposting?

If you send something to rec.radio.info, just name any group you'd like to cross-post to in the Newsgroups field. Then, when we approve the article for rec.radio.info it will get automatically cross-posted to any other groups mentioned. This will also override the default Followup-To: poster, replacing it with the groups you cross posted to.

We would prefer if the group be cross-posted to the various discussion groups in the rec.radio.* hierarchy that are appropriate:

rec.radio.amateur.antenna Antennas: theory, techniques and construction. |
rec.radio.amateur.boatanchors Vacuum tube-based amateur radio equipment. |
rec.radio.amateur.digital.misc Packet radio and other digital radio modes. |
rec.radio.amateur.dx Discussion, tips, notices and news for DXers. |

rec.radio.amateur.equipment All about production amateur radio hardware. |
rec.radio.amateur.homebrew Amateur radio construction and experimentation. |
rec.radio.amateur.misc Amateur (ham) radio and related matters
rec.radio.amateur.policy Amateur Radio practices, rules, etc.
rec.radio.amateur.space Amateur radio transmissions through space. |
rec.radio.shortwave International broadcasting on the 'HF' bands
rec.radio.cb Citizens Band (27 MHz) discussion
rec.radio.scanner Scanner discussions (unsupported group)

or in one of the moderated groups:

rec.radio.amateur.moderated Amateur radio practices, rules, etc.
rec.radio.broadcasting Discussion of *domestic* radio broadcasting

We will leave it up to the poster to decide which group(s) are
appropriate, but reserve the right to add groups if we feel it has
broader interest. We will consult with the poster first.

Notes on crossposting:

- rec.radio.broadcasting is also a moderated group. The
rec.radio.broadcasting moderation team prefers to review all articles |
before posting. Placing rec.radio.broadcasting before rec.radio.info |
on the Newsgroups line should accomplish this. We will typically |
abide by the rec.radio.broadcasting moderation team's decision whether |
the article is appropriate for rec.radio.info. |

- rec.radio.amateur.moderated is also a moderated group. As the
rec.radio.amateur.moderated Moderation Team manages both
rec.radio.amateur.moderated and rec.radio.info, we can manage
crossposting and approvals for both newsgroups. The
rec.radio.amateur.moderated group does not allow crossposting to other
discussion newsgroups, whether moderated or unmoderated. However, we
would like to manage rec.radio.info as consistently as possible with
how it was done by previous moderators, including the grandfathering
of existing regular postings. Therefore, the submitter can choose
rec.radio.amateur.moderated or the other unmoderated
rec.radio.amateur.* discussion newsgroups for crossposting, but not
both.

- Any FAQ or informational posting approved by the
rec.answers/news.answers moderation team that is also crossposted to
any rec.radio.* newsgroup (besides just rec.radio.info) is also
automatically pre-approved for rec.radio.info. See below for more
information.

If you post to another moderated group, it may be better to make special
arrangements with both moderators before posting by contacting us at our
administrivia addresses.

In addition, cross-posts do not take up extra space; modern newsreaders
can be configured to show you cross-posted articles only once anyway;
not everybody reads rec.radio.info; and rec.radio.info was never meant

to reduce the volume of the regular discussion newsgroups. But keep in mind that some of the mail gateways may filter out the informational postings (at request of the subscribers) to keep the load down.

You decide.

-- I have a regular posting with timely information, can I make arrangements to help speed up delivery by posting directly from my site?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires cooperation and good will to be beneficial to the community in the rec.radio.* hierarchy.

If you are currently maintaining (or plan to maintain) a radio-related periodic information posting, you may wish to consider crossposting it to rec.answers/news.answers. Postings that are approved by the rec.answers/news.answers moderators for this treatment are automatically pre-approved for crossposting to rec.radio.info (as the news.answers requirements are far more rigorous than the requirements this newsgroup ever plans to use). For more information about this option, consult the appropriate information articles and posting guidelines in rec.answers/news.answers.

Realize also, that even if your post is not approved for rec.answers/news.answers, it can still be approved for rec.radio.info. The intention is not so much to get every last bit of radio-related information on rec.answers/news.answers, but rather to provide an alternative avenue of approval (as well as grandfather existing maintainers of radio-related information and spare them additional bureaucratic hurdles). Again, crossposting to either rec.radio.info or rec.answers/news.answers, both, or neither, is at the discretion of the poster (subject to the approval of the moderators). You decide what is most appropriate for your article.

Please remember that as an information maintainer, you are not alone. There are many others on the net who maintain and post periodic information postings, using various intermediate-to-advanced features of Usenet (usually via automated tools). Various degrees of technical support and general hand-holding are available from many Usenet veterans. Send us some E-mail describing your needs to our administrative address below, and we'll try to help, or at least refer you to the right knowledgeable individual(s).

-- And Follow-ups?

If the only newsgroup you have specified is rec.radio.info, then the Followup-To: field will always be set to poster. If you do not want this, you must supply a Followup-To line of your own, and we will honor that one, as long as it is a subset of the original Newsgroups line.

If you specify newsgroups to cross-post to, then the Followup-To field will be set to include all the cross-posted groups, excepting rec.radio.info itself. Again, if you do not wish this behavior, supply your own Followup-To line.

We maintain other standards on the various RFC-1036 (news transport) header lines. For example, if the article is appropriate for passing into the Packet Radio Information Network, we encapsulate the Packet Bulletin Identifier (BID) in the Message-ID: news header line indicating the machine of origin as the ampr.org domain:

Message-ID: <$opa.55.1994@ampr.org>

where the Packet Radio BID, in this example, is `$OPA.55', and it was posted in the year 1994, because some of the Bid numbers are cycled yearly. Hopefully, this can be used as a key to re-introduce the articles for the Packet Radio network. Also, if the article is a repost of an already existing information article in the rec.radio heirarchy, we ensure that the References: header line is linked to that previously posted article. This also helps to tag articles, and may be used for additional filtering if needed.

Since the articles are archived, please use the Summary and Keywords header lines to help one search for your article.

-- Why have I received no reply from you?

We never reject anything in silence, and we make a point of it to answer all our mail. However, E-mail, like a brain cell, can and does get lost, every now and again.

So, if you send us something, and you don't see it appear it rec.radio.info, and you still have not heard from us in reply after say, five days, you can be pretty sure that either your mail never reached us, or that our answer has never reached you. In that case, please try again (We will filter out duplicates).

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

102. Amateur Radio Newsline(tm) Report 1854 - February 22 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-22 10:00:14 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130222100003.2E0EB33C99@panix2.panix.com>
Source record: 12
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1854 - February 22 2013

Amateur Radio Newsline report number 1854 with a release date of February 22 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. Australian radio amateurs may lose the 2300 to 2302 MHz band; Over the Horizon radar invades 10 meters; amateur satellite allocations on the agenda at I-A-R-U meeting in Vienna; Mainland China manufacturer releases low cost all service multi-mode High Frequency transceiver and zombies invade the nations Emergency Alert System. Find out the details are on Amateur Radio Newsline(tm) report number 1854 coming your way right now.

(Billboard Cart Here)

**

RADIO LA: VK HAMS COULD LOOSE ACCESS TO 2300 TO 2302 MHZ

Australian amateurs could soon loose access to the band from 2300 to 2302 MHz. Amateur Radio Newsline has the details in this report:

--

The Australian Communications and Media Authority or ACMA has informed the Wireless Institute of Australia of proposed changes to spectrum usage in the 2300 to 2302 MHz band. Changes that will result in Advanced Licensees losing access to that spectrum.

The ACMA proposes to acquire the spectrum for LTE radio purposes. LTE, or Long Term Evolution, marketed as 4G LTE, is a wireless standard for high-speed data for mobile phones and data terminals. The change would give LTE services the full 100MHz segment from 2300 to 2400MHz, which would resultin twenty 5MHz LTE channels

Losing any spectrum is of great concern to Australian radio amateurs as this secondary allocation is the only viable option for Earth-Moon-Earth contacts to Region II where the this activity is on 2304 MHz or Region I which uses 2320 MHz. After the reallocation Australian amateur EME activity would be confined to 2400 MHz and above, where wireless medical and Wi-Fi equipment is likely to cause interference weak signal reception by EME stations. And for hams in VK land it could mean that most EME operations could come to an end.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the newsroom in Los Angeles.

--

The Australian Communications and Media Authority plans to recommend the change to the Minister for Broadband Communications and Digital Economy in the near future. If the Minister approves the change radio Australian amateurs will probably lose access to the spectrum sometime in 2015. More on this situation is on-line at wia.org.au (WIA)

**

INTRUDER WATCH: OVER THE HORIZON RADAR HEARD ON 10 METERS

The IARU Region 1 Monitoring Service reports on a mysterious Over The Horizon radar causing interference in the 28 MHz amateur radio band. The mysterious signal disturbs the 28 to 29 MHz segment of 10 meters often with signals are 60 kHz wide, and jumping in bursts.

The location of the transmitter appears to be someplace in the Middle East but so far getting precise bearings have proven to be difficult.

The entire report covering this situation and other intruders to our ham bands can be downloaded free of charge at tinyurl.com/iarums-jan2013. (IARU-R1)

**

RESTRUCTURING: AMATEUR SATELLITE ALLOCATIONS ON THE R-1 AGENDA AT VIENNA

The IARU Region 1 2013 Interim Meeting slated for Vienna, Austreia in April will be discussing two proposals of importance to Amateur-Satellite Service and weak signal users. One that's not very controversial is an amendment to the 28 MHz Bandplan to remove of the downlink only restriction in the 29.300 to 29.510 MHz satellite segment. But the other has raised some eyebrows. The one proposes the introduction of a new satellite downlink band for CW and SSB transponders at 144.000 to 144.035 MHz.

The latter proposal could have the affect of putting United States hams in a rather precarious position. As pointed out on the W6YX VHF Reflector, SSB transmissions are not allowed below 144.100 in the US, even if they come from space. More important is that 144.0 to 144.035 is already used almost exclusively for C-W based Earth-Moon-Earth communications and experimentation and interference from SSB voice would not be very welcome in that spectrum. (IARU-R1)

**

RADIO LAW: RCFT REVERSES DECISION ON NORTHERN IRELAND EXAM

The U-K Radio Communications Foundation Trustees have done a complete about face in regard to a decision made last year not to issue Advanced Radio Amateur Examination pass certificates to two candidates in Northern Ireland. This following internal reviews which had suggested that the results might be unsafe.

Following further consideration of this issue in conjunction with representatives of Ofcom and the Foundation's own internal examination, the committees of Trustees have made a decision to now award the candidates their Advanced Radio Communications Examination Pass Certificates. Also they want to re-emphasize that there is no evidence of wrong doing by the club, its examiners or candidates themselves.

The Radio Communications Foundation Trustees also want to confirm that the Foundation remains committed to ensuring the highest possible standards of integrity in the examination system and will continue post-examination reviews of returned papers to support this objective. The Foundation's Standards Committee will review all examination appeal processes and procedures drawing on lessons learnt in this case.

The Foundation and the club have mutually agreed that no purpose would be served by further public comment on this matter. More o this matter is on the web at www.commsfoundation.org/rce/news. (RCFT)

**

RESCUE RADIO: AMATEUR RADIO GOES TO EMCOMM SCHOOL

An article in the just out March issue of QST Magazine "Amateur Radio Goes To School" will be of interest to anyone involved in emergency communications. Authored by David Witkowski, W6DTW, the article is a report on the annual Disaster Management Initiative Workshop held at Carnegie Mellon University's campus in California's Silicon Valley.

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W6DTW: "Carnegie Mellon's Disaster Management initiative started a few years ago in an effort to bring academic focus to Public Safety communications and Disaster Response. Most of what we know about disaster response is really empirical. We've developed it over time and through interaction with other responders we've put together a body of knowledge which is suitable but what Carnegie Mellon is trying to do with the Disaster Management initiative is to apply academic rigor to the question of disaster response."

--

According to Witkowski, the Carnegie Mellon University's Disaster Management Initiative is a somewhat unique entity in that it's one of the very few instances where disaster management and disaster communications is being studied in a formal academic setting. It's also distinctive in that the Disaster Management Initiative leadership team of deans and professors and most of the workshop participants are licensed radio amateurs.

Witkowski notes that while the Disaster Management Initiative is about a lot of things aside from amateur radio, that one can definitely see its influence on the research and the annual workshop.

W6DTW's article appears in Rick Palm's Public Service column in the March issue of QST beginning on page 82. If you are involved in any

aspect of emergency service participation, this commentary is must reading. (W6DTW, ARNewsline)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KD6LC repeater serving Guerenville, California.

(5 sec pause here)

**

ENFORCEMENT: UNLICENSED OPERATOR ARRESTED FOR THREATS AGAINST TEXAS RADIO CLUB

A man arrested on allegations he used amateur radio to threaten to kill members of a local amateur radio club has been released on bail from the Bexar County Texas Jail.

Twenty-nine year old John David Watkins III, posted a $4,000 bond and was freed before noon Sunday February 17th. This after his having been taken into custody the previous night on two counts of making terroristic threats.

An arrest affidavit states Watkins, known on radio frequencies as "White Noise," was creating interference and illegally transmitting without having the required radio operator license. A member of a radio club met with Watkins in January and told him to stop or the group would report him to the Federal Communications Commission.

Officials said that the next day Watkins allegedly made threats against the person who visited him and against other members of the club, saying he would kill them with an AK-47 rifle. These threats were reported to the police who provided security at the club's next meeting.

At airtime, what motivated Watkins to make the alleged threats or if the matter will go to trial is unknown. (MySanantonio.com, KABB, KSAT, others)

**

ENFORCEMENT: ARREST MADE IN UK UNLICENSED RADIO STATION RAID

A United Kingdom man has been arrested in a raid on an unlicensed radio station in Wolverhampton.

Police and officials from communications regulator Ofcom raided the premises in Park Village, early on Wednesday, February 13th. At that time equipment was also seized, including microphones, a mixer, a computer and associated cabling.

Police said the 33 year old man from the town of Dudley, was arrested on suspicion of offences under the Wireless Telegraphy Act 2006. He has since been released on bail. (BBC)

**

RADIO POLITICS: CONGRESS MAY CHANGE FCC SUNSHINE RULE

A bipartisan group of lawmakers in both the House and the Senate are reintroducing a bill to allow three or more Federal Communications Commissioners to meet in private, as long as no official agency action is taken.

Under current law, something known as the "sunshine" rule prohibits more than two FCC commissioners from talking to each other outside of a public meeting. The FCC Collaboration Act was reintroduced in the House by Representatives Anna Eshoo, John Shimkus and Mike Doyle. Senators Amy Klobuchar and Dean Heller plan to introduce the Senate counterpart.

The bill got sidelined last year when it was tucked in as a provision to a larger bill on FCC reform that Democratic party did not support. Otherwise, modifying the sunshine rule is something both sides of the aisle support. (Ad Week, NAB)

**

RADIO LAW: COURT RULES RFID NOT MARK OF THE BEAST

A very interesting court case that pitted a students religious beliefs versus communications technology has been decided. Skeeter Nash, N5ASH, is near Houston with more:

--

A Texas student who refused to wear a radio tag that tracked her movements on campus has lost a federal court appeal against her school's ID policy.

According to news reports, the 15 year old declined to wear the RFID badge on religious grounds, saying it was the "mark of the beast." After she stopped wearing it she was suspended and went to court where she won a temporary injunction to continue her studies at the school without the RF tag.

Now a federal court ruling has overturned the lower court. It says that if she is to stay at the particular school, she would be required to wear the badge. Otherwise, she would have to transfer to a new school.

The radio tags are used to track attendance, which in turn helps secure school funding.

Im Skeeter Nash, N5ASH.

--

More is on-line at tinyurl.com/student-rfid. (Published news reports)

**

WORLDBEAT: NEW INTERNATIONAL REPLY COUPON INTRODUCED

The Universal Postal Union has introduced the newest model of the International Reply Coupon. The new Doha coupon named for the 25th Universal Postal Congress that took place in Doha, Qatar in October 2012 will replace the current model, known as the Nairobi model.

Although the US Postal Service no longer sells IRC's, they are still available in other countries and post offices in the United States are mandated to redeem them. The Doha model IRC will be available for purchase on July 1st and is valid for exchange until the end of 2017. The Nairobi model remains valid until December 31st of this year. (ARRL)

**

RADIO BUSINESS: LOW COST CHINESE MADE ALL MODE HF TRANSCEIVER FROM CHINA INTRODUCED

A new all mode low priced High Frequency transceiver from China is on the way. Called the Feitong model FT-808 the new radio is being billed primarily as a Marine Band transceiver but its published specifications read more like a mid-range piece of ham radio gear. For instance the FT-808 has a receive range of 500 Khz to 29.9 Mhz and a transmitter that covers 1.6 to 29.9 Mhz. In other words, it covers all the ham radio bands from 160 through 10 and lots more.

The receiver is a double conversion superhetrodyne with both it and the transmitter capable of operating Upper and lower sideband, CW and AM with 100 memory channels. Tuning appears to be by up and down push buttons with a claimed receiving sensitivity of 12 db SINAD and a squelch sensitivity threshold on SSB, CW, and RTTY of less than 5.6uV.

One thing of note. While transmitter power appears to be in the 100 watt or slightly higher range but according to the public spec sheet there appears to be no provision to lock out transmission on 11 meters. This will likely keep it from gaining FCC acceptance for legalized sales in the United States. At least not in its current non locked out 11 meter configuration.

That said, the Feitong FT-808 carries a delivered list price of only $410 U-S dollars. Its complete specifications and a video of an Italian ham radio operation using it on 40 meters is on-line at tinyurl.com/feitong-808-hf. (Sparkys Blog, www.ecvv.com, iv3vjh.me, others)

**

HAM TRADITIONS: HAM RADIO 100 YEARS OLD AT ISU

The history of amateur radio at Iowa State University is described as a technological revolution. This by Jeff Stein who is an Iowa broadcasting historian, author and a former lecturer at Iowa State's Greenlee School of Journalism and Communication.

According to Stein, the fact that Iowa State was one of the first places to pay attention to this technology that ultimately revolutionized our lives in the 20th century is important. This is because it shows that Iowa State has consistently been dedicated to being first in developing communication technologies.

The report of Stein's findings was first reported in The Iowa State Daily where he notes that amateur radio first came to the school over 100 years ago. You can read the entire story by author Kimberly Woo on-line at tinyurl.com/Iowa-State-100. (Cyclone Amateur Radio Club)

**

HAM EDUCATION: FAR ACCEPTING SCHOLARSHIP APPS FOR 2013 TO 2014 ACADEMIC YEAR

The Foundation for Amateur Radio, a non-profit organization with its headquarters in Washington, D.C., plans to administer forty-seven scholarships for the 2013 to 2014 academic year. This, to assist licensed Radio Amateurs in the pursuit of higher education. The Foundation fully funds two of these scholarships. The remainder are administered by the Foundation for various donors.

Licensed Radio Amateurs who compete for these awards must be planning to pursue a full time course of studies beyond high school and be enrolled, or have been accepted for enrollment, at an accredited university, college or technical school. The awards range from $500 to $5,000 with preference given, in some cases, to residents of specified geographical areas or the pursuit of certain study programs. Non-US residents are eligible to apply for some of the scholarships.

To be considered, completed applications must be received at the Foundation by April 15th. Additional information and an application form may be requested by letter or post card sent to FAR Scholarships, Post Office Box 911, Columbia, Maryland, 21044-0911 or by e-mail to dave (dot) prestel (at) gmail (dot) com. Applications are available, for download from the web at tinyurl.com/far-scholarship-2013 (FAR)

**

HAM HAPPENINGS: NM RADIO CLUB TO CELEBRATE 63RD ANNIVERSARY IN MARCH

The Mesilla Valley Radio Club of Las Cruces, New Mexico will be operating special event station K5BL on March 23rd. This in celebration of it being one of New Mexico's oldest, continuous operating radio clubs.

K5BL will be commemorating the clubs 63rd anniversary by operating from 1500 to 1400 UTC as near as possible to 14.330 and 21.337, MHz. A special QSL card for the event will be available by request. To get

one, send your QSL card confirming your contact with a business sized self addressed forever stamped envelope Special Events Station K5BL Anniversary, in care of the Mesilla Valley Radio Club, P.O. Box 1443, Las Cruces, New Mexico 88004-1443.

And less we forget to mention, a very happy 63rd to the Mesilla Valley Radio Club. (K6SAS)

**

HAMVENTION NEWS: THE 2013 VHF WEAK SIGNAL GROUP BANQUET

The 18th annual VHF Weak Signal Group dinner to be held on Friday evening May 17th at the Dayton Grand Hotel in Dayton, Ohio. This in conjunction with the 2013 Dayton Hamvention. The special guest speaker is famed VHF DX operator Jeff Klein, K1TEO. For more information contact Tony Emanuele by e-mail to WA8RJF (at) ARRL (dot)net, (WA8RJF, WB8BZK)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

WORLDBEAT: TV TRANSMITTER CAUSES MARITIME INTERFERENCE TO NEW ZEALAND VHF DISTRESS CHANNEL

An Interesting interference case has been solved down-under as we hear from Amateur Radio Newsline's Jim Meachen, ZL2BHF:

--

A recent case of a very low level of interference affecting the maritime VHF distress and calling channel 16 at two of New Zealand's Maritime sites has finally been solved. The investigation into the interference took seven days to resolve. It involved contacting ships and shore stations on the New Zealnd coast, as well as both ground and helicopter searches.

Eventually a very low level signal was detected. Direction finding indicated it was from a broadcast transmission location about 120 km from one of the affected sites and 185km from the other. A visit to the broadcast transmission site traced the low level interference to a spur from a high power television transmitter. The cause of the interference turned out to be an inspection panel which had been left open for maintenance purposes.

For the Amateur Radio Newsline, I'm Jim Meachen, ZL2BHF, in Nelson, New Zealand.

--

Word is that sealing the inspection panel solved the problem immediately. (WIA)

**

HAM RADIO IN SPACE: UKUBE-1 TO LAUNCH IN JUNE 2013

The United Kingdoms' Herald newspaper reports that the UKube-1 CubeSat will be launched in June and will carry an amateur radio transponder to orbit.

According to the news story, the spacecraft is being built for the UK Space Agency by Clyde Space. If all goes as announced its launch will take place from the Baikonur Cosmodrome in Kazakhstan on a Soyuz-2-1B booster this spring.

UKube-1 will carry a set of AMSAT-UK FUNcube boards to provide an amateur radio 435 to145 MHz linear transponder. Also as a part of the payload will be a 1200 B-P-S-K beacon for educational outreach.

The newspaper also reports that Clyde Space has announced plans to build a facility in the United States. More is on-line at tinyurl.com/uquibe-june-launch (The Herald)

**

RADIO IN SPACE: SCIENTISTS OFFER SUPPORT FOR NASA'S NEXT MARS ROVER

Scientists have applauded a NASA decision to send another rover to Mars in 2020. At the same time they are stressing that the mission should pave the way to return Martian rocks to Earth. Amateur Radio Newsline's Heather Embee, KB3TZD, has the details:

--

The new Mars rover mission was announced last December 4th by NASA's Associate Administrator for Science John Grunsfeld. This, at the annual meeting of the American Geophysical Union in San Francisco.

At that time it was announced that the next rover will share some design features with NASA's Mars Science Laboratory Curiosity rover, which landed on Mars in August to begin at least a two-year mission.

Now, in a pair of statements released January 28th ad 30th, two well-respected groups of researchers have shared their views on the plan to send another robotic explorer to the Red Planet in seven years. The Planetary Society and the American Astronomical Society's Division for Planetary Sciences applauded the announcement that NASA plans another mission to the Red Planet in 2020. At the same time both strongly suggested that the mission should have the capability to collect and store Martian rock samples as recommended by the National

Research Council's Planetary Science Decadal Survey.

NASA has released very few details on the proposed new rover plan. Because of this it's still unclear whether the robot will be able to collect Martian rock samples intended to be brought back to Earth.

For the Amateur Radio Newsline, Im Heather Embee, KB3TZD, in Berwick, Pennsylvania

--

It should be noted that most plans for returning Mars samples are multi-phase, with an initial mission to collect and store the rocks. Later missions would rendezvous with the collector and return the samples to Earth. (Space & Science)

**

ON THE AIR: ROTARY INTERNATIONAL END POLIO NOW CAMPAIGN

On Saturday, February 23rd and Sunday, February 24th, amateur radio operators around the world will take part in a special operating even. This to raise awareness about Rotary International's End Polio Now campaign.

The hams are all members of the Rotary International group Rotarians on Amateur Radio. They will be calling "CQ Rotary" or "CQ Polio" and will be prepared to talk about the Rotary Club and the accomplishments and challenges of the End Polio Now campaign. This is a joint effort of Rotary International, the World Health Organization, and other non-governmental organizations.

More information is on-line at www.endpolio.org. Questions go by e-mail to Dan Romanchik, KB6NU, to endpoliono (at) kb6nu (dot) com. A certificate or QSL card will be available on request to verify contacts made. (KB6NU, ARRL PR Remailer)

**

DX

In DX, G3RWF plans to be in Rwanda between March 4th to the 12th and has requested the callsign 9X0NH. The license should be valid for all of 2013 and he could return later in the year. Activity will be mainly CW. QSL via G3RWF.

A group of Japanese operators will be active from Rodrigues Island from March 1st to the 10th as 3B9DX. They will be operational on 80 through 10 meters using CW, SSB, RTTY and PSK31. QSL direct only via EA5GL

G3SWH and G3RTE will be operational from Guadalcanal, in the Solomon Islands, between February 18th and the 28th. Their activity will be on CW only on 80 through 10 meters. QSL via G3SWH.

SP9FIH and SP6AXW will be active stroke as PJ4 from Bonaire between April 8th to the 20th. Operations will be on 160 through 6 meters using SSB and RTTY. QSL only via SP9FIH

KK4GV will be active as J79GV from the northeast side of the island of Dominica between March 8th to the 17th. His operation will be holiday style and SSB only. QSL via his home callsign either direct or by the Bureau.

Lastly, N7QT will be heading back to Saint Lucia to operate stroke J6 on a suitcase between April 5th to the 16th. Activity will be on 80 through 10 meters using CW, SSB and RTTY and PSK. He will also be operating field portable from the St. Lucia beaches and mountain tops. QSL as directed on the air.

(Above from various DX news sources)

**

THAT FINAL ITEM: THE DEAD RISE AS HACKERS TARGET EAS NATIONWIDE

And finally this week, Inside Radio reports that the FCC, FBI and several state and local law enforcement agencies are investigating what now appears to have been a widespread hack attack on the United States Emergency Alert or EAS System. One that claimed that the dead were rising from their graves. Amateur Radio Newslines Steffan Kinford, N8WB, has the details:

--

The full extent of the phony zombie EAS attack isn't yet clear, but several stations recently aired a bogus EAS message about zombies attacking people and warning the public to stay clear of them.

Engineers say the hackers apparently had a solid knowledge of exactly how the EAS operates and how to breach it. One of these is Bonneville director of engineering John Dehnel. He says the company's Salt Lake City stations were among the targets. While the fake message never made it to KSL 1160 AM which is the primary message distribution or LP1 station for the area or its sister station KSL-TV, the bizarre communication was broadcast on the cluster's three secondary or HD2 stations.

Dehnel believes the culprit was EAS activation boxes that were left set to factory-installed default passwords to accommodate tech support crews. His guess is that before the attack you would likely have found most everyone still had the default password on it. The FCC has since issued a warning notice to broadcasters and other EAS decoder users for them to immediately change the passwords to ones that are propriety and secure.

The Bonneville HD2 stations reportedly fowarded the bogus EAS messages about one hour before a Great Falls, Montana television station that actually was the one that made the news headlines for airing the phony message. Several other stations also aired a fake EAS message,

including TV stations in Albuquerque and Marquette, Michigan. It's possible other stations also broadcast the alert but if there were any they are not known as this newscast is being prepared.

For the Amateur Radio Newsline, Im Stephan, Kinford, N8WB, in Wadsworth, Ohio.

--

You can read more on this very strange story at tinyurl.com/zombie-eas and tinyurl.com/montana-eas-hack (Inside Radio, RW, other published reports)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk in Los Angeles, I'm Jim Davis, W2JKD, in Vero Beach, Florida, saying 73 and we thank you for listening.

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103. ARRL Awards Nominations

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-27 14:36:47 UTC
From: ARRL Members Only Web site <memberlist@www.arrl.org>
Message-ID: <20130227135610.D94F62044C@bmail.arrl.org>
Source record: 13
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

Steve Ewald, WV1X, Field Organization Team Supervisor, would like us to spread the word about some prestigious awards from the ARRL. Please take a look and consider nominating one of our outstanding Nebraska hams.

73, Art K0AIZ

ARRL Award Nominations are Open

Each year the ARRL Board of Directors has the opportunity to select recipients for a number of awards in various categories that honor Amateur Radio operators.

The nomination period is now open for the ARRL awards that are designed to recognize educational, technological and service pursuits in Amateur Radio. There is also an award to honor a young Amateur Radio operator. Please log onto www.arrl.org/arrl-award-nominations for specific details and information on how to nominate or submit supporting endorsements.

The ARRL Herb S. Brier Instructor of the Year Award is awarded to an ARRL volunteer Amateur Radio instructor or to an ARRL professional classroom teacher who uses creative instructional approaches and models the highest values of the Amateur Radio community. The award has been focused to reflect quality of instruction and commitment to licensing instruction. Nominations should be received by March 15, 2013, to be considered for this year.

The Hiram Percy Maxim Award is for a licensed radio amateur under age 21 (and an ARRL member) whose accomplishments and contributions are of the most exemplary nature within the framework of Amateur Radio activities. Nominations for this award need to be made through your Section Manger (see page 16) who will then forward the nomination to ARRL Headquarters by March 31, 2013.

The ARRL Microwave Development Award is presented to a licensed radio amateur or to individuals who are licensed radio amateurs contribute to the development of the Amateur Radio microwave bands. The nomination deadline is March 31, 2013.

The ARRL Technical Service Award recognizes a licensed radio amateur or individuals who are licensed radio amateurs that provide Amateur Radio technical assistance or training to others. The nomination deadline is March 31, 2013.

The ARRL Technical Innovation Award is granted to a licensed radio amateur or to individuals who are licensed radio amateurs who develop

and apply new technical ideas or techniques in Amateur Radio. The nomination deadline is March 31, 2013.

The Knight Distinguished Service Award was established to recognize exceptionally notable contributions by an ARRL Section Manager to the health and vitality of the League.

For more information about these awards, visit www.arrl.org/arrl-award-nominations.

You may also contact Steve Ewald, WV1X, at wv1x@arrl.org or 860-594-0265 at ARRL Headquarters.

ARRL Nebraska Section
Section Manager: Arthur I Zygielbaum, K0AIZ
k0aiz@arrl.org

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104. The ARRL Letter for February 28, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-02-28 21:45:42 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130228180632.4573B27C819@bmail.arrl.org>
Source record: 14
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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The ARRL Letter

Published by the American Radio Relay League
**************************************

February 28, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

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<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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- + ARRL Executive Committee to Meet in Texas Next Month
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- Solar Update
- + Hammond Manufacturing to Take Over Dahl Transformer Line
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC ENFORCEMENT NEWS: FCC ISSUES $10,000 FINE TO MISSOURI MAN FOR
UNLICENSED OPERATION ON 14.312 MHZ

On February 25, the FCC issued a Notice of Apparent Liability for
Forfeiture (NAL
<http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db0225/DA-13-24
8A1.pdf>)
in the amount of $10,000 to Jared A. Bruegman, ex-KC0IQN, of Bolivar,
Missouri. The FCC said that Bruegman "apparently and willfully violated
Section 301 of the Communications Act of 1934, as amended by operating
an unlicensed radio transmitter on the frequency 14.312 MHz in Bolivar,
Missouri." Bruegman -- who does not currently hold an Amateur Radio
license -- was operating in the phone portion of the 20 meter band that
is assigned to the Amateur Radio Service on a primary basis; his
Amateur Radio license expired in 2010. As a former Technician class
licensee, he did not have privileges to operate in that portion of the
```

20 meter band when he held an Amateur Radio license.

In December 2012, the FCC's office in Kansas City received a complaint from an Amateur Radio operator, reporting interference on 14.312 MHz. Upon investigation, agents from that office heard a male voice transmitting on the frequency 14.312 MHz. Using direction finding equipment, the agents located the source of the radio frequency transmissions to a transmitting antenna mounted on a pole next to Bruegman's residence. The agents determined that the signals on 14.312 MHz exceeded the limits for operation under Part 15 of the Commission's rules and therefore a license was required to transmit. The agents further discovered that Bruegman did not hold a license to operate a radio transmitter on 14.312 MHz at or near that location.

The agents determined that the source of the transmissions was coming from an unlicensed radio transmitter from a bedroom in Bruegman's residence. "Mr Bruegman was the only person present in the bedroom and the only male in the residence during the inspection," the NAL stated. "Mr Bruegman admitted to the agents that he owned the radio transmitter. The agents observed that the transmitter was turned on and tuned to 14.311 MHz. Mr Bruegman told the agents that he had no current Commission licenses, but that he previously held an Amateur Radio license, call sign KC0IQN. Mr Bruegman told the agents he would remove the microphone from his transmitter and only use it as a receiver."

Section 503(b) of the Communications Act provides that "any person who willfully or repeatedly fails to comply substantially with the terms and conditions of any license, or willfully or repeatedly fails to comply with any of the provisions of the Act or of any rule, regulation, or order issued by the Commission thereunder, shall be liable for a forfeiture penalty." In addition, Bruegman was found to be in violation of Section 301 of the Communications Act, stating that "no person shall use or operate any apparatus for the transmission of energy or communications or signals by radio within the United States, except under and in accordance with the Act and with a license granted under the provisions of the Act."

Bruegman has until March 27, 2013 to pay the forfeiture in full, or file a written statement seeking its reduction or cancellation.

==> + FCC NEWS: FCC PROPOSES MORE SPECTRUM AT 5 GHZ FOR UNLICENSED BROADBAND

On February 20, the FCC released a Notice of Proposed Rulemaking (NPRM) in ET Docket No. 13-49, seeking to revise the Part 15 rules governing unlicensed national information infrastructure (U-NII) devices in the 5 GHz band. These devices presently operate in the frequency bands 5.15- 5.35 GHz and 5.47-5.825 GHz. They use wideband digital modulation techniques to provide a wide array of high data rate mobile and fixed communications for individuals, businesses and institutions. Slightly different rules apply to 5.825-5.85 GHz. Among the changes being proposed are two additional bands totaling 195 MHz

for unlicensed operation: 5.35-5.47 GHz and 5.85-5.925 GHz. The Amateur Radio Service has a secondary allocation at 5.65-5.925 GHz, including an Amateur Satellite Service uplink allocation of 5.65-5.67 GHz and a downlink allocation of 5.83-5.85 GHz. Read more here <http://www.arrl.org/news/fcc-proposes-more-spectrum-at-5-ghz-for-unlicensed-broadband>.

==> + ON THE AIR: ARRL INTERNATIONAL DX PHONE CONTEST: MARCH 2-3

With the CW portion of the ARRL DX Contest <http://www.arrl.org/news/ride-the-wave-in-the-2013-arrl-international-dx-cw-contest>
now a series of fading dits and dahs in the memories of participants, preparations for the Phone portion of the ARRL International DX Contest <http://www.arrl.org/arrl-dx> the weekend of March 2-3 are already underway. The high bands were in good form for the CW contest two weeks ago, with many stations reporting hundreds of QSOs on 15 and even 10 meters. Will these good conditions last into early March? Find out!

Just like the CW DX Contest, the Phone competition is relatively easy: US and Canadian stations only work DX, and DX stations only work US and Canadian stations. The contest exchange is a signal report and your state or province for US and Canadian stations, while DX stations send signal reports and their transmit power.

The 2013 ARRL International DX SSB Contest <http://www.arrl.org/arrl-dx> runs from 0000 UTC Saturday, March 2 through 2359 UTC Sunday, March 3. Logs must be e-mailed or postmarked no later than 2359 UTC Tuesday, April 2, 2013. Submit your Cabrillo-formatted electronic logs via e-mail <dxphone@arrl.org>; paper logs should be sent to ARRL DX Phone Contest, 225 Main St, Newington, CT 06111 USA.

==> + ARRL RECOGNIZES: NOMINATIONS NOW OPEN FOR ARRL TECHNICAL AND EDUCATIONAL AWARDS

Each year, the ARRL Board of Directors has the opportunity to select recipients for a number of awards in various categories that honor Amateur Radio operators. The nomination period is now open for the ARRL awards, which are designed to recognize educational and technological pursuits in Amateur Radio, including an award that honors a young Amateur Radio operator. ARRL members may nominate hams for the Herb S. Brier Instructor of the Year Award, the Hiram Percy Maxim Award, the ARRL Microwave Development Award, the ARRL Technical Service Award, the ARRL Technical Innovation Award and the Knight Distinguished Service Award. Read more here <http://www.arrl.org/news/nominations-now-open-for-arrl-technical-and-educational-awards>.

==> + ARRL EXECUTIVE COMMITTEE TO MEET IN TEXAS NEXT MONTH

The ARRL Executive Committee will meet Saturday, March 9 in Irving, Texas. ARRL President Kay Craigie, N3KN, serves as Chairman of the

Executive Committee. Five Division Directors who are elected by the ARRL Board of Directors are also on the committee: Northwestern Division Director Jim Fenstermaker, K9JF; Central Division Director Dick Isely, W9GIG; Rocky Mountain Division Director Brian Mileshosky, N5ZGT; Pacific Division Director Bob Vallio, W6RGG, and West Gulf Division Director David Woolweaver, K5RAV. ARRL Chief Executive Officer David Sumner, K1ZZ, and ARRL First Vice President Rick Roderick, K5UR, are non-voting members of the Executive Committee. Click here <http://www.arrl.org/news/arrl-executive-committee-to-meet-in-texas-next-month> for the meeting's agenda.

==> + SILENT KEY: PAT HAWKER, G3VA (SK)

RadCom columnist and RSGB Life Vice President Pat Hawker, G3VA, of London, England, passed away February 21. He was 90. For 50 years -- 1958-2008 -- Hawker penned the bi-monthly "Technical Topics" column in RadCom, the member journal of the Radio Society of Great Britain, focusing on many new techniques and devices that came into being and were enjoyed by radio amateurs in the second half of the 20th century.

Born in Minehead, Somerset in 1922, Hawker's schoolboy interest in radio never left him. He heard his first amateur station on 20 meters in the autumn of 1935. He obtained the "artificial aerial" license 2BUH at age 14 and became G3VA in October 1938, at the then-minimum age of 16. Hawker was involved in many aspects of radio, beginning in World War II as a member of the Radio Security Service (RSS) and its connections to MI5 and MI6. After the Allied invasion of Europe, he spent time with British intelligence services, as well as time with Holland's Bureau of National Security. In 1948, Hawker became an assistant to RSGB General Secretary John Clarricoats, G6CL (SK).Read more here <http://www.arrl.org/news/pat-hawker-g3va-sk>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: This past week, we saw a decline in the solar and geomagnetic indices: The average daily sunspot number dropped nearly 21 points to 57.7, while the average daily solar flux softened by 4.7 points to 100.9 and the average daily planetary A index declined 6.4 points to 5.1. This isn't much of a change, but geomagnetic activity was low already, and this is even lower. The predicted solar flux for the near term is 105 on February 28, 110 on March 1-3, 105 on March 4-6, 100 on March 7, 95 on March 8-14, 100 on March 15-16, 105 on March 17, and rising to 110 on March 18-20. The solar flux then reaches a peak of 120 on March 25-27, and on March 28-April 6, it looks like it will hover around 113. The predicted planetary A index is 5, 12 and 8 on February 28-March 2, 5 on March 3-4, 8 on March 5, 7 on March 6-7, 5 on March 8-10, 7 on March 11-12, and back down to 5 on March 13-20. This weekend is the ARRL International Phone DX Contest <http://www.arrl.org/arrl-dx>, which runs from 0000 UTC March 2 to 2359 UTC March 3. Look for more on the ARRL website on Friday, March 1. For more information concerning radio propagation, visit the ARRL Technical

Information Service Propagation page
<http://www.arrl.org/propagation-of-rf-signals>.

==> + HAMMOND MANUFACTURING TO TAKE OVER DAHL TRANSFORMER LINE

Hammond Manufacturing <http://www.hammfg.com/> of Cheektowaga, New
York, has announced that it will take over the Peter W. Dahl line of
transformers from Harbach Electronics <http://harbachelectronics.com/>.
Upon his retirement in 2007, Peter Dahl, K0BIT (SK), sold his company
to Harbach Electronics, but earlier this month, that company announced
<http://www.arrl.org/news/harbach-electronics-to-discontinue-dahl-transformer
s>
that it would no longer support Dahl products and was in negotiations
with other manufacturers to take over the Dahl product line of
transformers and magnetics. According to both Harbach Electronics and
Hammond Manufacturing, finalization of the acquisition and transfer of
assets will take place over the next few weeks, with the transfer to be
completed by March 31, 2013.

==> THIS WEEK IN RADIOSPORT

This week:

- March 2 -- Wake Up! QRP Sprint
- March 2-3 -- ARRL International DX Contest (SSB)
<http://www.arrl.org/arrl-dx>
- March 3 -- DARC 10 Meter Contest
- March 5 -- AGCW YL-CW Party
- March 6-7 -- AWA John Rollins Memorial DX Contest

Next week:

- March 9 -- AGCW QRP Contest
- March 9-10 -- Idaho QSO Party; RSGB Commonwealth Contest; AWA John
Rollins Memorial DX Contest; EA PSK63 Contest
- March 10 -- North American Sprint (RTTY)
- March 10-11 -- Wisconsin QSO Party
- March 13 -- NAQCC-EU Monthly Sprint
- March 13-14 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest
Branch page <http://www.arrl.org/contests>, the ARRL Contest Update
<http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest
Calendar <http://www.hornucopia.com/contestcal/index.html> for more
information. Looking for a Special Event station? Be sure to check out
the ARRL Special Event Stations web page
<http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- March 8-9 -- ARRL Oklahoma Section Convention
<http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfe
st-1>,

Claremore, Oklahoma; ARRL Louisiana Section Convention
<http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annu
al-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention
<http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln,
Nebraska; ARRL West Texas State Convention
<http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-pa
trick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-
hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 4 -- ARRL South Carolina Section Convention
<http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfe
st-1>,
Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,

Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Parties.

Subscribe to QEX -- A Forum for Communications Experimenters
<http://www.arrl.org/qex>. Published bi-monthly, features technical
articles, construction projects, columns and other items of interest to
radio amateurs and communications professionals.

Free of charge to ARRL members: Subscribe
<http://www.arrl.org/myarrl-account-management#!/edit-info-email_subscription
s>
to the ARES E-Letter (monthly public service and emergency
communications news), the ARRL Contest Update (bi-weekly contest
newsletter), Division and Section news alerts -- and much more!

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choice -- support programs not funded by member dues!

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<http://www.arrl.org/Users/edit#!/edit-info-email_subscriptions>.

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105. It's time to apply for the Teachers Institute!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-01 04:43:28 UTC
From: ARRL Education Services <memberlist@www.arrl.org>
Message-ID: <20130228204427.4EE0E27B7A@bmail.arrl.org>
Source record: 15
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

Greetings!

The ARRL Education & Technology Program has announced the schedule for two sessions of our professional development workshop, the Teachers Institute on Wireless Technology (TI-1) being offered during July 2013.

We are also pleased to announce that Dayton Amateur Radio Association will be supporting and hosting a new professional development opportunity, an advanced Teachers Institute (TI-2) on Remote Sensing and Data Gathering, at their new educational facility. A March QST article <http://www.arrl.org/files/file/Teachers%20Institute/TI%20stories/Better%20Educated%20Teachers-%20QST-Mar-2013.pdf> includes a description of this new workshop.

Please visit the ARRL website at: http://www.arrl.org/teachers-institute-on-wireless-technology for more information about Teachers Institute curriculum content, participant requirements, dates and locations and other details. Go to www.arrl.org/teachers-institute-application to download an application.

Tuition, resources and most expenses to attend the Teachers Institute are paid by donations to the ARRL Education & Technology Fund. Donate <http://www.arrl.org/education-and-technology-fund> to support Wireless Technology Literacy <http://www.arrl.org/what-is-wireless-technology-literacy> today!

Debra Johnson, K1DMJ

Education Services Manager

ARRL, the national association for Amateur Radio(r)

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djohnson@arrl.org

106. Amateur Radio Newsline(tm) Report 1855 - March 1 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-01 10:00:15 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130301100003.7AFA733C8E@panix2.panix.com>
Source record: 16
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1855 - March 1 2013

Amateur Radio Newsline report number 1855 with a release date of March 1 2013 to follow in 5-4-3-2-1. The following is a QST. A smart-phone

powered satellite is now on-orbit, the FCC proposes a new set of broadband that will impact ham radio; amateur radio created varicode is now an ITU recommendation; Canada launches Mototrbo-based ham radio interconnect and a new 6 meter propagation beacon takes to the air from near the South Pole. Find out the details are on Amateur Radio Newsline(tm) report number 1855 coming your way right now.

(Billboard Cart Here)

**

HAM RADIO IN SPACE: STRAND ONE CELLPHONE BASED HAMSAT NOW ONORBIT

A new ham radio satellite based on a smart phone is now onorbit as we hear in this report:

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The United Kingdom first CubeSat named STRaND-1 was launched on Monday, February 25 on the PSLV-C20 booster. This from the Indian Space Research Organization Space Launch Center. Successful deployment from the STRaND-1 into a 785 km orbit took place about 20 minutes later.

Signals from STRaND-1 were received by Nader Omer, ST2NH, in the Sudan at 15:55 UTC and by the Surrey Space Centre later in the day. Soon afterward on Hector Martinez, CO6CBF, in Cuba used an AMSAT-UK FUNcube Dongle to receive the satellite.

STRaND stands for Surrey Training, Research and Nanosatellite Demonstration. STRaND 1 and was built in only three months using a Google Nexus One smartphone with an Android operating system. This to demonstrate the feasibility of using such an inexpensive device to control a spacecraft.

STRaND-1 carries an amateur radio AX.25 packet radio downlink on 437.568 MHz. It also uses a 9k6 bps Frequency Shift Keying in an High Level Data Control frame and NonReturn-to-Zero Inverted encoding.

The overall STRaND program is intended to be a long-term arrangement between the space company SSTL and academic researchers at the Surrey Space Centre. STRaND-1 is the first of a long line of STRaND smartphone based nanosatellites.

According to the latest reports hams around the world have responded to the request for telemetry data from the STRaND1 satellite controllers. Information on how to receive the satellites telemetry data is available at tinyurl.com/hearing-strand-one.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the Newsroom in Los Angeles.

--

The STRaND-1 team has asked if radio amateurs can assist in collecting telemetry from around the world to help them determine the health and attitude of the spacecraft. Again, the downlink uses amateur radio AX.25 packet radio on 437.568 MHz using 9600 bps FSK modulated data with an HDLC frame and NRZI encoding. Reports go by e-mail to Dr. Chris Bridges at C (dot) P (dot) Bridges (at) surrey (dot) ac (dot) uk.

(AMSAT-UK, STRaND)
**

RADIO LAW: FCC PROPOSES MORE SPECTRUM AT 5 GHZ FOR UNLICENSED BROADBAND

The FCC has released a Notice of Proposed Rulemaking or NPRM in ET Docket No. 13-49, seeking to revise the Part 15 rules governing unlicensed national information infrastructure devices in the 5 GHz band. These devices presently operate in the frequency bands 5.15-5.35 GHz and 5.47 to 5.825 GHz. They use wideband digital modulation techniques to provide a wide array of high data rate mobile and fixed communications for individuals, businesses and institutions. Slightly different rules apply to 5.825 through 5.85 GHz.

Among the changes being proposed in the February 20th document are the creation of two additional bands totaling 195 MHz for unlicensed operation. These are 5.35 to 5.47 GHz and 5.85 to 5.925 GHz. It should be noted that the Amateur Radio Service has a secondary allocation at 5.65 to 5.925 GHz. This includes an Amateur Satellite Service uplink from 5.65 to 5.67 GHz and a downlink from 5.83 to 5.85 GHz.

The FCC will be accepting comments on its NPRM due no later than 45 days after publication in the Federal Register, as well as reply comments due 30 days later. No date has yet been set for the Federal Register release. The NPRM can be found on the web at tinyurl.com/fcc-broadband-five. (ARRL, VHF Reflector, W0WOI)

**

WORLDBEAT: AMATEUR-CREATED 'VARICODE' ADOPTED AS ITU RECOMMENDATION

The ARRL report that Varicode, developed by Peter Martinez, G3PLX, has been adopted as an International Telecommunications Union Recommendation. On Tuesday, February 19th, Francois Rancy who is the Director of the Radiocommunication Bureau of the I-T-U announced the simultaneous adoption and approval of the Recommendation entitled Telegraphic Alphabet for Data Communication by Phase Shift Keying at 31

Baud in the Amateur and AmateurSatellite Services.

This digital mode alphabet is commonly called "Varicode" because the more frequently used characters in the English language occupy fewer bits. It was developed by G3PLX in the 1990's. For his effort Martinez was awarded the ARRL Technical Innovation Award for the year 2000 for his development of PSK31, which uses Varicode for transmission efficiency.

Varicode now becomes Recommendation ITU-R M.2034. More on it is on the web at www.arrl.org/psk31-spec (ARRL)

**

WORLDBEAT: CANADA LAUNCHES MOTOTRBO DIGITAL AUDIO C BRIDGE INTERCONNECT

Hams in Canada have taken their first step toward the creation of a national amateur radio Division Multiple Access or DMR network. This with the launch of the first inter-provincial DMR networking server on Saturday, February 23rd. Amateur Radio Newslines Stephan Kinford, N8WB, has the details:

--

The server, more commonly known as a "c-Bridge" was manufactured by Rayfield Communications and will serve as a network hub for Canadian amateur radio DMR repeaters. It will not only allow them to reliably link to one another but also to the growing DMR-MARC global network using Internet connectivity.

The DMR-MARC global network is an all-digital group of Mototrbo DMR repeaters in the USA, Germany, Australia, South Africa, New Zealand, Switzerland, Spain, Austria, Finland, Sweden and of coarse Canada. The backbone networking is being created by amateur radio operators many of whom are Motorola Solutions employees, Motorola Service Station employees, dealers, system installers, and just plain Motorola equipment aficionados. Repeaters on this network are connected around the clock.

And for those listeners who are unfamiliar with Mototrbo system, this is a Motorola digital radio product marketed primarily to business and industrial users, but which has found its way into some public safety uses and now to ham radio. The format is based on and compatible with the European 2-slot DMR standard and uses Time Division Multiple Access to accommodate two simultaneous users. Therefore a single 12.5 kHz channel is able to carry two simultaneous and independent conversations or simultaneous and independent voice and data paths each with 6.25 kHz equivalency. More about the world-wide DMR-MARC global ham radio network is on-line at www.dmr-marc.net.

The Canadian c-Bridge is located in Montreal and is currently supporting several DMR repeaters in Ontario and Quebec, including the

VA3XPR digital DMR repeater located in downtown Toronto. For more information on the new Canadian digital interconnect and how your organization can connect their DMR system to it, please visit tinyurl.com/canada-cbridge.

For the Amateur Radio Newsline, I'm Stephan, Kinford, N8WB, in Wadsworth, Ohio.

--

And before you ask, Mototrbo and D-Star radios cannot talk directly to one another. This is because each uses a different and incompatible digital voice encode and decode technology. (VA3FXT via QRZ.com, DMR-MARC)

**

WORLDBEAT: THE VK0RTM 6M BEACON ON AIR FROM NEAR THE SOUTH POLE

A new 6 meter propagation should now be on the air from near to the South Pole. Craig Hayhow who is signing VK0JJJ from Mawson Base in Antarctica is reported to have brought with him a beacon transmitter with the call VK0RTM that is now operational on 50.300 MHz.

The VK0RTM transmitter runs 50 watts. It was donated for this very special operation by David Craig, N3DB, who is the Secretary and Treasurer of The 6 Meter Beacon Project.

But the beacon will not be the only 6 meter signal coming to the air. While at Mawson Station for about 12 months, Hayhow plans to be active on all bands from 80 through 6 with priority given to 6 meter operation.

VK0JJJ is a senior telecommunications engineer from West Australia. He is a member of the Antarctica Australian National Antarctic Research Expedition due to return home in January 2014. (VK3PC, QRZ.com)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KF4ADM repeater serving Williamsburg Virginia.

(5 sec pause here)

**

ENFORCEMENT: UNLICENSED BROADCASTER SUED BY GOVERNMENT TO COLLECT $20000 FINE

A Florida resident whose unlicensed radio station interfered with air traffic control at Palm Beach International Airport is being sued for collection of a $20,000 fine by the federal government. This as

Federal prosecutors file documents in federal court instructing Robins Cheriza, to respond to action demanding that he pay the fine issued against him last year by the FCC. Amateur Radio Newsline's Norm Seeley, KI7UP, reports:

--

According to the February 9th court filing Robins Cheriza has ignored the Federal Communications Commission's order to pay the fine since last April. This after the regulatory agency found that he had willfully and repeatedly transmitted a radio signal without a license in the spring of 2011.

According to FCC records, the sounds of a party being broadcast from Cheriza's home interrupted air traffic control at Palm Beach International Airport on April 1, 2011. That incident prompted the Federal Aviation Administration to file a complaint with the FCC. Agents with the FCC's Miami Enforcement Bureau used direction finding to locate an antenna mounted to the West Palm Beach home of Cheriza.

The agents performed a station inspection and found a complete broadcast facility on an enclosed patio connected to the antenna. At that point Cheriza told agents he owned the studio and its equipment. He also admitted to having operated the station on 107.3 MHz for about a month even though he was aware that operating an unlicensed FM station was illegal.

That lead to his being issued a $20,000 Notice of Apparent Liability which was affirmed on April 3rd of 2012. At that time he was given 30 days to pay or to appeal. But the FCC says that Cheriza ignored the notice, leading to the Federal suit for collection.

The litigation which was filed by the U.S. Attorney's Office for the Southern District of Florida directs that Cheriza pay the $20,000 fine plus court costs and interest and that he does so within 21 days.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

--

Whether or not Cheriza has paid the $20,000 fine is unknown as we go to air. (FCC, published news reports)

**

RESCUE RADIO: AMERICAN RED CROSS TO PHASE-OUT ECRV OPERATIONS

The ARRL reports the American Red Cross will be phasing out out its Emergency Communication Response Vehicles also known as ECRV's. According to American Red Cross Disaster Services Technology Manager Keith Robertory, KG4UIR, every communication capability of the Emergency Communication Response Vehicles already exists, or will soon exist as a rapidly deployable kit. These says Robertory can be loaded

on any vehicle that is owned or rented by the American Red Cross, providing more flexibility in shaping its response to match the disaster.

Robertory told the ARRL that retrofitting the decade old vehicles with new equipment is not a good use of donated funds, as the long-term strategy is to move to more portable systems. This says KG4UIR is consistent with the trends in the telecommunications and technology industries.

As to the ham radio gear currently installed in these vehicles, it is not going away. Rather it will be removed and will either become part of the deployable inventory or provided to the local American Red Cross chapter to build local capacity. A more in-depth look at this decision by the Red Cross and its impact on ham radio can be found on line at tinyurl.com/b84tn88 (ARRL)

**

RESCUE RADIO: HAMS HELP TRAIN EMERGENCY RESPONDERS IN CONNECTICUT

The Ridgefield Press in Connecticut says that amateur radio operators from the city's volunteer disaster communications team have been assisting in the development of a communications training video. This for use by fire, police and emergency medical first responders.

The new training video will focus on the importance of including ham radio in emergency planning and operations. It will also demonstrate the capabilities of amateur radio equipment and disaster-trained ham radio operators.

Ridgefield's Emergency Operations Center and many other centers and hospitals throughout the region are equipped with amateur radio equipment that provides backup communications when normal channels are out of service. The complete story on this new video can be found at tinyurl.com/rescue-radio-video (RP.com)

**

HAM HAPPENINGS: HAM RADIO CLUB TO CELEBRATE LEGION BIRTHDAY

The American Legion Amateur Radio Club will operate special event station N9L on March 15, between 10 a.m. and 4 p.m., and March 16 between 9 a.m. and 4 p.m. Eastern Standard Time. This to commemorate the 94th birthday of The American Legion

The primary frequency to look for N9L will be 14.270 MHz on 20 meters and locally on 146.46 in Central Indiana. The station will also be available via IRLP Node 4816.

A full-color certificate will be sent upon receipt of a 9-by12-inch self-addressed stamped envelope to the American Legion National Headquarters, Attn: TALARC, 700 North Pennsylvania Street, Indianapolis, Indiana 46204. More is on-line at

www.legion.org/hamradio. (TALARC)

**

HAM HAPPENINGS: HAM RADIO COMMEMORATES THE BATAAN DEATH MARCH

The Mesilla Valley Radio Club of Las Cruces, New Mexico will be operating Special Events Station K5B on March 17th. This in conjunction with the 24th annual Bataan Memorial Death March Marathon event to be held at the White Sands Missile Range.

K5B will operate from 1000 UTC to 2300 UTC on or near 21.337, 14.330, 7.225, and 3.893 megahertz. A commemorative QSL card will be available by request. If you make contact send your QSL with a self addressed stamped business sized envelope to Special Events Station K5B in care of the Mesilla Valley Radio Club, P. O. Box 1443, Las Cruces, New Mexico, 88004.

All QSL requests must be received by Friday, April 26th. More information about this special operation is on line at www.n5bl.org/bataan. (Mesilla Valley Radio Club)

**

HAM HAPPENINGS: ST PATRICK'S DAY SPECIAL EVENT

Irelands West Tyrone Amateur Radio Club will be taking part in the St. Patrick's Day celebration on Monday March 18th in the city of Omagh by operating special event station GB1SPD. This from the Strule Arts Centre in the Heart of Omagh Town during the Omagh District Council St. Patrick's Day Parade and Festival. You can listen out for GB1SPD world-wide on the High Frequency bands as well as Echolink. Commemorative QSL cards will be available to those who wish to have a conformation of the QSO. More details available at www.wtarc.org (WTARC, Southgate)

**

NAMES IN THE NEWS: WIND UP RADIO DEVELOPER SEEKING UK GOVERNMENT PROTECTION FOR ALL INVENTORS

Some names in the news. The developer of the famed FreePlay wind-up radio is calling on the British government to step-in to protect the interests of inventors. The Daily Telegraph reports that inventor Trevor Baylis says he faces having to sell his house after failing to make money from his wind-up radio that many say helped to revolutionize public emergency notifications and there-by save lives in emerging nations. The full story on how Baylis' situation came about and the intellectual rights protection he is seeking for all inventors is on-line at tinyurl.com/baylisradio (UK Telegraph)

**

NAMES IN THE NEWS: YOUNG BOY SCOUT RECEIVES AMATEUR RADIO PATCH

The Jamestown New York Post-Journal reports that Robert Miles, KD2BWZ, is one of the youngest scouts to receive the Boy Scouts of America's Amateur Radio Operating Patch.

Robert and his father Aaron Miles KD2BWY both received these patches at an event attended by Wayne Schuver Jr. who is the senior district executive of the Boy Scouts of America's Alleghany Highlands District. John Mueller K2BT, who is the Western New York section manager for the American Radio Relay League.

As previously reported the Amateur Radio Operating Patch is a recent addition for the Boy Scouts and recognizes the scout's availability as an amateur radio operator for communications services for events and activities as well as in emergencies. All registered youth and adult members who also hold a valid FCC issued amateur radio license of any class are eligible to earn and wear the patch. The full PostJournal story along with a photo of the presentation is at tinyurl.com/scouting-patch (Post-Journal)

**

NAMES IN THE NEWS: W2TRR LEAVING WOR FOR CONSULTANT BUSINESS

Noted Broadcast Engineer Tom Ray, W2TRR, is leaving WOR -AM, in New York City after more than 15 years with the station. Ray had been Chief Engineer of WOR and Director of Engineering of Buckley Broadcasting until the station was sold to Clear Channel late last year. His current title is AM Chief Engineer.

During Ray's tenure at WOR, he had taken the station from an older analog facility into the digital world, culminating in the move of the WOR studio to a new locality in Manhattan. He next built WOR a new transmitter facility in the New Jersey Meadowlands, retiring the former Lyndhurst, New Jersey facility that had served WOR for 40 years. Ray will now head up his own broadcast consultancy firm. (RW, QRZ.com)

**

BREAK 2

This is ham radio news for today's radio

amateur. From the United States of America, We

are the Amateur Radio Newsline with links to the

world from our only official website at

www.arnewsline.org and being relayed by the

volunteer services of the following radio

amateur:

(5 sec pause here)

**

CHANGING OF THE GUARD: PAT HAWKER MBE G3VA

SILENT KEY

Pat Hawker, MBE, G3VA, who for 50 years wrote the Technical Topics column in the RSGB publication RadCom, passed away on February 21st at age 90.

Hawker was first awarded a UK an 'artificial aerial' license and call sign 2BUH in 1936. He received his transmitting license and the call G3VA in 1938.

During his lifetime Pat Hawker was involved in many aspects of radio. Tis ranged from World War 2 with the United Kingdom's military intelligence organizations through to his time working for the RSGB, then as the editor of Electronics Weekly and the Royal Television Society Journal.

The extraordinary career of Pat Hawker, G3VA, is described in a book by Steve White, G3ZVW, titled A Bit of Controversy, Pat Hawker - A Radio Life. And for those not aware, the title MBE stands for Member of the Most Excellent Order of the British Empire. (GB2RS)

**

WORLDBEAT: CANADA'S BRIT FADER SCHOLARSHIP

Canadian hams in need of educational financial assistance listen up. The Brit Fader Scholarship established in 1993 by the Halifax Amateur Radio Club is now accepting applications for the 2013 to 2014 educational year.

This Scholarship will be provided for attendance at an accredited Canadian post-secondary technical school, college or university, with preference given to applicants who have been accepted into a program in the field of electronics, electrical engineering, or a related area.

An applicant for this scholarship must be a Canadian citizen and hold an active Basic Class or higher grade of Canadian Amateur Radio license.

A zipped application package is available for down-loading from the Halifax Amateur Radio website at www.Halifaxarc.org. Follow the link to the Brit Fader Scholarship from the home page under Education.

Application submissions must be postmarked no later than July 12th. The amount of the 2013 award will be $1000. (HARC)

**

WORLDBEAT: INTERNATIONAL RADIO FESTIVAL SEPT 4 - 8 IN ZURICH

The 2013 International Radio Festival will be held September 4th to the 8th at the famed Schloss Sihlberg Castle in Zurich, Switzerland. Participating broadcasters so far include the BBC, Switzerland's DRS3, Portugal's Antena 3, Raadio 2 of Estonia and the Czech Republic's Radio

Wave. Planners say that this years event will feature industry speakers flying in from all parts of the world. You can follow developments by joining their page at facebook.com/internationalradiofestival. (RW, others)

**

WORLDBEAT: INTERNATIONAL LIGHTHOUSE AND LIGHTSHIP WEEKEND GROWS

An update on pre-registration for the 2013 International Lighthouse and Lightship Weekend operating event. So far there have been some 150 registrations from 25 countries. Germany has the most with 35 closely followed by Australia accounting for 34.

This years International Lighthouse and Lightship Weekend is on August the 17th and 18th. More information on this fun event along with registration details is on line at www.illw.net. (VK3PC)

**

HAM RADIO IN SPACE: AMSAT AND VIRGINIA TECH SIGN COLLABORATION AGREEMENT

AMSAT and the Virginia Polytechnic Institute have signed a Collaboration Agreement that establishes a relationship for future projects. This in the development of space hardware, software, algorithms, documentation of same and an agreement to protect each other by protecting International Traffic in Arms Regulations or ITAR-covered materials and identifying same for the other. The agreement was signed on February 4th by AMSAT President Barry Baines, WD4ASW and Virginia Tech Assistant Vice President for Sponsored Programs Administration John Rudd. (ANS)

**

SCIENCE AND SPACE: METEOR THAT HIT RUSSIA TRAJECTORY IDENTIFIED

Scientists from Colombia believe they have pinpointed the origin of the giant meteor that smashed into a remote region of Russia last month. Using some of the dozens, if not hundreds, of videos that captured the once-in-a-century event, the scientists have calculated the Chelyabinsk meteor's trajectory, tracing it back to a group of Earthcrossing objects known as Apollo asteroids. Researchers Jorge Zuluaga and Ignacio Ferrin, from the University of Antioquia then used trigonometry to calculate the height, speed and position of the rock as it fell to Earth.

To reconstruct the meteor's original orbit around the sun, they used six different properties of its trajectory through Earth's atmosphere. They then plugged all of that data into specialized astronomy software developed by the U.S. Naval Observatory. The computers then confirmed that it was from the Apollo group.

Unlike the more stable objects in the Asteroid Belt which lies between Mars and Jupiter, Apollo asteroids tend to sideswipe Earth's orbit, posing a risk of collision like the one I Russia. According to the International Astronomical Union's Minor Planet Center, more than 4,800 Apollo asteroid close approaches that have been identified to date. (Science Now)

**

RADIO IN SPACE: NEW LANDSAT SATELLITE NOW ON-ORBIT

A new satellite to keep an eye on our planets changing landscape was launched into orbit on Monday, February 11th. This eighth and most sophisticated Landsat spacecraft blasted off at 1802 GMT aboard an unmanned Atlas 5 rocket from Vandenberg Air Force Base in California. The Landsat Data Continuity Mission will join the sole operational fourteen year old Landsat 7 spacecraft in providing visible and infrared images from an orbital perch 438 miles above Earth.

The new satellite circle the planet every 99 minutes, relaying pictures by radio that show details down to about the size of a baseball diamond. The images, which are distributed at no charge, are used by federal, state and local governments and planning boards worldwide to monitor crops, assess damage from fires, floods and other natural disasters. They also track changing coastlines, glaciers and other areas impacted by global warming. (Science OnLine)

**

ON THE AIR: SPECIAL EVENT N4WIS DURING WISCONSIN QSO PARTY

On the air, word that K9UTQ will activate the USS Wisconsin Battleship station N4WIS. This during the Wisconsin QSO Party on March 9th. QSL's go via N4WIS. For more details and updated information, please visit www.n4wis.org on the World Wide Web. (OPDX)

**

DX

In DX, W0FK will be active from Longboat Key between March 2nd and the 16th. No word on times or frequencies. If you work him QSL via his home callsign, direct or by the Bureau.

EI7CC will be operational from Lesotho as 7P8PB from March 6th to the 26th. Activity will be limited because he will be on a family holiday and will operate when circumstances permit. QSL via EI7CC either direct or via the bureau. Logs will be uploaded to Logbook of the World immediately upon his return to Ireland.

N6MW and N6TQ, who were expected to be on the air stroke KH8 from March 19th to the 28th from American Samoa have postponed this operation indefinitely. No reason for the cancellation was given.

KV1J will once again be operating stroke FP from Miquelon Island between July 6th to the 16th. His activity will be on 160 through 6 meters using CW, SSB, RTTY and PSK31 generally be on the highest frequency band that is open. Also, look for him on the satellites, weather permitting. QSL via KV1J, direct, via the bureau or electronically using Logbook of the World.

JL1UTS and L3PFH will be active as KH0TH and KH0TG, respectively, from the Saipan between May 2nd to the 5th. Their operation will encompass all of the High Frequency bands and modes. QSL via their home callsigns, either direct or the JARL Bureau.

AE1C will be active stroke VE9 from Grand Manan Island between August 18th to the 25th. Activity will be holiday style on the HF bands using 200 watts and a vertical antenna. QSL via his home callsign using Logbook of the World, eQSL or direct.

Lastly, word that the Sri Lanka 4S7DXG and Maldives 8Q7VR operations in 2008 and 2011 have been approved for DXCC credit. If you had request rejected for contacts with these dates only, send an e-mail to dxccrules@arrl.org to be put on the list for an update. Contacts before or after these periods cannot be accepted.

(Above from various DX News Sources)

**

THAT FINAL ITEM: RESCUE RADIO: FOLLOW-UP - NPR LABS EMERGENCY ALERT FOR THE DEAF EXPERIMENT TO GO FORWARD

A follow up to our recent report on an Emergency Alerting system being proposed for the deaf and hart of hearing using radio. Amateur Radio Newsline's Bruce Tennant, K6PZW. is here with the details:

--

NPR Labs has been awarded a contract from the U.S. Department of Homeland Security and the Federal Emergency Management Agency to demonstrate the delivery of emergency alerts to people who are deaf or hard-of-hearing in the Gulf Coast states. This through local public radio stations and the Public Radio Satellite System.

This pilot system is intended to demonstrate that all individuals, including those who are deaf or hard-ofhearing, can rely on battery-powered radios to stay informed in emergencies when electricity, Internet and other communications channels are unavailable.

NPR Labs is the technology research and development group of National Public Radio. It will work with DHS and FEMA to identify 25 public radio outlets in Alabama, Florida, Louisiana, Mississippi and Texas to participate in the pilot. The distribution network of the Public Radio Satellite System will be used to test the effectiveness of the message delivery system. The Gulf region was chosen because it is frequently subjected to extreme and sudden weather conditions. Once proven, the

system could be rolled out nationwide on the public radio stations served by the Public Radio Satellite System, which reach 95% of the United States population.

In the demonstration project, FEMA will transmit emergency alert messages using the Common Alerting Protocol. The Public Radio Satellite System network operations center will re-transmit the warning via the Radio Broadcast Data System on the participating 25 public radio stations on a dedicated digital alerting channel. The stations will broadcast the emergency alert to receivers capable of displaying text messages. Deaf or hard-of-hearing project volunteers will be alerted to the message by a flashing indicator on their radios or a bed-shaker triggered by their radios, to ensure the message is received day and night.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW in Los Angeles.

--

NPR Labs plans to identify 500 individuals who are deaf or hard-of-hearing in the listening areas of the 25 participating stations. The volunteers will be surveyed periodically to determine the efficacy of the warnings. This is the first effort to deliver real-time accessibilitytargeted emergency messages, such as weather alerts, via radio broadcast texts. (RadioOnLine, RW)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Don Wilbanks, AE5DW, in Southern Mississippi, saying 73 and we thank you for listening.

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107. Go Green: Get Digital QST Only

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-01 16:38:50 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130301145242.4AE692706B0@bmail.arrl.org>
Source record: 17
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

Go Green! Opt-in for Digital QST Only
<http://www.arrl.org/qst-print-edition-opt-out-form>

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www.arrl.org <http://www.arrl.org>

108. FCC Daily Digest 03/01/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-01 17:03:01 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-526539-2013.03.01-11.25.04--rec-radio-info#panix.com@info.fcc.gov>
Source record: 18
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 41 March 01, 2
013

[...]

TERRY L. VANVOLKENBURG. Notified Terry L. VanVolkenburg of this Apparent
Liability for Forfeiture in the amount of $25,000 for operating an unlicen
sed radio transmitter and interference with licensed communications. Action
by: District Director, Tampa Office, South Central Region, Enforcement Bu
reau. Adopted: 03/01/2013 by NAL. (DA No. 13-305). EB http://hraunfoss.f
cc.gov/edocs_public/attachmatch/DA-13-305A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-305A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-305A1.txt

[...]

109. Speakers for pick-up truck

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-05 00:31:52 UTC
From: AI8O <AI8O@yemiola.net>
Message-ID: <kh32n2$17f$1@dont-email.me>
Source record: 19

I recently bought a used Mazda B2500 pick-up truck.

The factory sound system had a quadraphonic sound system option.
Apparently the truck only had a stereo sound system installed, no speakers
were ever installed in the two speaker ports on the rear wall of the cab.

The two speaker ports near the floor on the rear wall of the cab will hold
5"x8" or 6"x9" oval speakers.

I am going to install a Dual Band, Dual Receive 2m/440 transceiver (Icom
tm-v71A or Anytone AT5888UV).

I would like to put speakers in the empty speaker ports, and dedicate the
one speaker to left audio channel, and one to the right audio channel.

I have looked for speakers that will fit these speaker ports; but all I find
are "high performance" audiophile music speakers that have audio responses
like "50Hz to 44000Hz".
This is way overkill for my application.

What I need are speakers that are tailored to Voice frequencies; say 300Hz
to 5000Hz, that will fit into the speaker ports.

A strong roll-off below 300HZ will help suppress hum from CTCSS.

Does anyone have an idea where I can purchase speakers with these specs?

I am looking for Recommendations of specific makes, models and vendor URLs.

Dan
AI8O at YEMIOLA dot NET

110. Re: Speakers for pick-up truck

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-05 15:59:39 UTC
From: Foxs Mercantile <jdangus@att.net>
Message-ID: <kh47dq$k6e$1@speranza.aioe.org>
Source record: 20

The audio range of your radio will provide most of the roll off.
The ambient noise level in the truck will provide the rest.

Jeff-1.0
wa6fwi

111. FCC Commissioner: Hams Should Comment on "Network Reliability" Proceeding

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-05 16:34:57 UTC
From: Dick Grady AC7EL <richard@richbonnie.com>
Message-ID: <efo9j8tafgr56vu94i44dsq4t22la3osop@4ax.com>
Source record: 21

CQ Magazine News:

FCC Commissioner: Hams Should Comment on "Network Reliability"
Proceeding

http://cqnewsroom.blogspot.com/2013/02/fcc-commissioner-hams-should-comment-on.html

112. The ARRL Letter for March 7, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-07 22:29:36 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130307200441.2EEF126D88C@bmail.arrl.org>
Source record: 22
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

March 7, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + FCC Enforcement News: Alleged Deliberate Interference Leads to
$25,000 Fine for Florida Ham
- + Amateur Radio and the Law: Montana Governor Signs Legislation to
Limit Antenna Restrictions, Protect Hams from Distracted Driving
Regulations
- + Ham Radio in Hollywood: Last Man Standing to Feature Amateur Radio
Storyline
- + Florida Hams Prove that Ham Radio Works When Cell Phones Don't
- ARRL in Action: What Have We Been Up to Lately?
- ARRL Recognizes: Nominations Now Open for ARRL Technical and
Educational Awards
- + More Than 20,000 arrl.net, arrl.org E-mail Addresses Blocked by
Microsoft
- Solar Update
- + ARRL Recognizes: John White, VA7JW, and Ken Tapping Win February
QST Cover Plaque Award
- New QuickStats Poll Now Available on ARRL Website
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC ENFORCEMENT NEWS: ALLEGED DELIBERATE INTERFERENCE LEADS TO
$25,000 FINE FOR FLORIDA HAM

On March 1, the FCC issued a Notice of Apparent Liability for
Forfeiture (NAL) in the amount of $25,000 to Terry L. VanVolkenburg,
KC5RF, of Cocoa, Florida. The FCC alleged that VanVolkenburg
"apparently willfully and repeatedly violated Sections 301 and 333 of
the Communications Act of 1934, as amended..., by operating a radio
transmitter without a license on...465.300 MHz and for interfering with
licensed communications." VanVolkenburg holds an Advanced class
```

license.

According to the Commission's Forfeiture Policy Statement and Section 1.80 of the rules, the base forfeiture amount for operation without an instrument of authorization is $10,000, and the base forfeiture amount for interference is $7000. In assessing the monetary forfeiture amount, the FCC must also take into account statutory factors that include the nature, circumstances, extent and gravity of the violations, and with respect to the violator, the degree of culpability, any history of prior offenses, ability to pay and other such matters. "We find Mr VanVolkenburg's misconduct particularly egregious because his unlicensed operation involved willful and malicious interference to the communications of the Brevard County Sheriff's Department, which included threats against the officers, after being told (multiple times) to cease his interfering communications," the FCC stated in the NAL. "Thus, we find that an upward adjustment of $8000 to the combined base forfeiture of $17,000 is warranted. Applying the Forfeiture Policy Statement, Section 1.80 of the rules and the statutory factors to the instant case, we conclude that Mr VanVolkenburg is apparently liable for a forfeiture in the amount of $25,000." Read more here <http://www.arrl.org/news/florida-ham-issued-25-000-fine-for-operating-an-unlicensed-radio-transmitter-and-interfering-with-li>.

==> + AMATEUR RADIO AND THE LAW: MONTANA GOVERNOR SIGNS LEGISLATION TO LIMIT ANTENNA RESTRICTIONS, PROTECT HAMS FROM DISTRACTED DRIVING REGULATIONS

On February 28, Montana Governor Steve Bullock (D) signed House Bill 148 into law. Montana State Representative Pat Connell, WA7PDC, had submitted the bill -- Clarifying Local Government Authority to Regulate Amateur Radio Operations -- on the 2013 Montana legislative docket in order to protect Amateur Radio operators in Montana from distracted driving laws. The new law prohibits local governments from regulating licensed Amateur Radio operations from a motor vehicle and also establishes a 100-foot by-right height below which local jurisdictions may not regulate Amateur Radio towers. Read more here <http://www.arrl.org/news/montana-governor-signs-legislation-to-protect-mobile-amateur-radio-operations-from-distracted-drivin>.

==> + HAM RADIO IN HOLLYWOOD: LAST MAN STANDING TO FEATURE AMATEUR RADIO STORYLINE

In an episode scheduled to air Friday, March 15, the hit ABC comedy Last Man Standing -- starring Tim Allen as Mike Baxter, KA0XTT -- will feature a secondary ham radio storyline. This is the first time that the show will highlight Amateur Radio in its plot, showing various cast members on the air and communicating via ham radio.

In Episode 217 -- called "The Fight" -- Mike's daughter Mandy (played by Molly Ephraim), gets her cell phone taken away as punishment. She discovers Mike's home shack in the basement and uses

ham radio to make faraway friends. According to Last Man Standing Producer John Amodeo, NN6JA, the home shack is a brand new set built just for this episode. The ARRL provided many of the awards and certificates -- including 5 Band DXCC, 5 Band Worked All States, 5 Band Worked All Continents, VUCC (for 50 MHz), the Diamond DXCC Challenge and the Morse Code Proficiency Certificate -- seen on Mike Baxter's home shack wall. Read more here <http://www.arrl.org/news/em-ham-radio-in-hollywood-em-last-man-standing-to-feature-amateur-radio-storyline>.

==> + FLORIDA HAMS PROVE THAT HAM RADIO WORKS WHEN CELL PHONES DON'T

After a day of exploring the Green Swamp Wildlife Management Area -- which covers 50,692 protected acres in Florida's Lake, Polk and Sumter Counties -- with his grandson, Joe Cody, KE4WDP, of Winter Haven, Florida, saw that the roads were flooding and becoming hazardous. As he tried to drive out of the area, Cody's small pick-up truck got bogged down in the mud. Since he was out of cell phone range, Cody tried calling for help on the Dade City 146.880 repeater. Richard Parker, KF4ORW, of Dade City, Florida, heard the call and answered. Read more here <http://www.arrl.org/news/florida-hams-prove-that-ham-radio-works-when-cell-phones-don-t>.

==> ARRL IN ACTION: WHAT HAVE WE BEEN UP TO LATELY?

This feature is a concise monthly update of some of the things that the ARRL is doing on behalf of its members. This installment -- which covers the month of February -- takes a look at the 2013 ARRL Field Day, scholarships administered by the ARRL Foundation, Section Manager election results, updates from the ARRL Development Office, reports from the Official Observer Desk and more. Read more here <http://www.arrl.org/news/arrl-in-action-what-have-we-been-up-to-lately-55>.

==> ARRL RECOGNIZES: NOMINATIONS NOW OPEN FOR ARRL TECHNICAL AND EDUCATIONAL AWARDS

Each year, the ARRL Board of Directors has the opportunity to select recipients for a number of awards in various categories that honor Amateur Radio operators. The nomination period is now open for the ARRL awards that are designed to recognize educational and technological pursuits in Amateur Radio, including an award that honors a young Amateur Radio operator. ARRL members may nominate hams for the Herb S. Brier Instructor of the Year Award, the Hiram Percy Maxim Award, the ARRL Microwave Development Award, the ARRL Technical Service Award, the ARRL Technical Innovation Award and the Knight Distinguished Service Award. Read more here <http://www.arrl.org/news/nominations-now-open-for-arrl-technical-and-educational-awards>.

==> + MORE THAN 20,000 ARRL.NET, ARRL.ORG E-MAIL ADDRESSES BLOCKED BY MICROSOFT

The ARRL IT staff has been notified that Microsoft is blocking e-mail to the more than 20,000 members who use the arrl.net e-mail forwarding service to forward e-mail to Microsoft domains (hotmail.com, msn.com, live.com and outlook.com). In addition, the blockage is also affecting those members of the ARRL's Field Organization and other ARRL volunteers who use an arrl.org alias e-mail address to have e-mail delivered to an address with a Microsoft domain. According to ARRL Information Technology Manager Michael Keane, K1MK, the IT staff is working to have these blocks lifted and e-mail delivery restored to normal operation as quickly as possible.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Both the averages of daily sunspot numbers and solar flux rose, with the sunspot numbers up nearly 36 points to 93.3 and the solar flux up nearly 12 points to 112.6. The most active geomagnetic day was Friday, March 1, when the planetary A index was 27 and the mid-latitude A index was 23; Alaska's high latitude College A index was a whopping 64. The latest forecast from NOAA/USAF puts the average solar flux for the next five days -- March 7-11 -- at 117. The predicted solar flux is 115, 112 and 118 on March 7-9, 120 on March 10-11, 118, 115 and 110 on March 12-14, 95 on March 15-17, 100 on March 18-20, and back down to 105 on March 21-24. The predicted planetary A index is 8 on March 7-8, 5 on March 9, 8 on March 10-13, 5 on March 14-20, 8 on March 21, and back down to 5 on March 22-27. Look for more on the ARRL website on Friday, March 8. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL RECOGNIZES: JOHN WHITE, VA7JW, AND KEN TAPPING WIN FEBRUARY QST COVER PLAQUE AWARD

The winners of the February QST Cover Plaque award are John White, VA7JW, and Ken Tapping for their article "The Penticton Solar Flux Receiver
<http://www.nxtbook.com/nxtbooks/arrl/qst_201302/index.php#/40>."
Congratulations John and Ken! The QST Cover Plaque Award -- given to the author or authors of the best article in each issue -- is determined by a vote of ARRL members on the QST Cover Plaque Poll web page <http://www.arrl.org/cover-plaque-poll>. Cast a ballot for your favorite article in the March issue today .

==> NEW QUICKSTATS POLL NOW AVAILABLE ON ARRL WEBSITE

Four new poll questions have just been published on the QuickStats page <http://www.arrl.org/quickstats> on the ARRL website. Let your voice be heard!

Questions in this month's QuickStats poll:

- Is your primary FM transceiver a single- or dual-band model?
- Do you consider your local Amateur Radio club dues to be too low, too high or just right?
- Does your flat screen TV generate interfering signals?

- How often do you back up the data in your station computer?

Visit the QuickStats page <http://www.arrl.org/quickstats> and be sure to bookmark it in your browser. Results from this QuickStats poll will be published in the May 2013 issue of QST on the QuickStats page, located in the rear advertising section of the magazine. Along with monthly poll results, QST QuickStats offers colorful charts and graphs that highlight interesting Amateur Radio statistics.

==> THIS WEEK IN RADIOSPORT

This week:

- March 9 -- AGCW QRP Contest
- March 9-10 -- Idaho QSO Party; RSGB Commonwealth Contest; AWA John Rollins Memorial DX Contest; EA PSK63 Contest
- March 10 -- North American Sprint (RTTY)
- March 10-11 -- Wisconsin QSO Party
- March 13 -- NAQCC-EU Monthly Sprint
- March 13-14 -- CWops Mini-CWT Test

Next week:

- March 15 -- NCCC Sprint
- March 16 -- Feld Hell Sprint; AGCW VHF/UHF Contest
- March 16-17 -- Virginia QSO Party; Russian DX Contest
- March 16-18 -- BARTG HF RTTY Contest
- March 17 -- North American Sprint (SSB)
- March 18 -- Run for the Bacon QRP Contest
- March 21 -- NAQCC Straight Key/Bug Sprint

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- March 8-9 -- ARRL Oklahoma Section Convention <http://www.arrl.org/hamfests/oklahoma-section-convention-green-country-hamfest-1>,
Claremore, Oklahoma; ARRL Louisiana Section Convention <http://www.arrl.org/hamfests/louisiana-section-convention-acadiana-53rd-annual-hamfest>,
Rayne, Louisiana
- March 16 -- ARRL Nebraska State Convention <http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln, Nebraska; ARRL West Texas State Convention <http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-patrick-s-day-hamfest>,

Midland, Texas
- March 23 -- ARRL South Texas State Convention
<http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-
hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention
<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 4 -- ARRL South Carolina Section Convention
<http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfe
st-1>,
Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color

ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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newsletter), Division and Section news alerts -- and much more!

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113. Amateur Radio Newsline(tm) Report 1856 - March 8 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-08 10:00:18 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130308100002.E545433C43@panix2.panix.com>
Source record: 23
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1856 - March 8 2013

The following is a QST. Scientists say Solar Cycle 24 may have two separate peaks; APRS found to extend the range of underground communications; a United Kingdom ham finds a long abandoned satellite that has come back to life; Last Man Standing to feature an episode with ham radio and Amateur Radio Newsline opens the nominating season for the 2013 Young Ham of the Year Award. Find out the details are on Amateur Radio Newsline(tm) report number 1856 coming your way right now.

(Billboard Cart Here)

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PROPAGATION: SOLAR CYCLE 24 MAY HAVE A DOUBLE PEAK

Will 2013 be the year of the Solar maximum of Cycle 24 or have we already seen one and is there another prak yet to come. Some researchers think that the best has not happened yet because this could be another double cycle. Amateur Radio Newslines Heather Embee, KB3TZD, has the details:

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Something unexpected appears to be happening on the sun. 2013 is supposed to be the year of Solar Max also known as the peak of Cycle 24. Yet 2013 has arrived and solar activity is relatively low. Sunspot numbers are well below their values in 2011, and strong solar flares have been infrequent for many months. The quiet has led some observers to wonder if forecasters missed the mark.

Dean Pesnell is a Solar physicist at the Goddard Space Flight Centre in Greenbelt, Maryland. He suggests that this is the solar maximum, but it looks different from what we expected because it will be double peaked.

Conventional wisdom holds that solar activity swings back and forth like a simple pendulum. At one end of the cycle, there is a quiet time with few sunspots and flares. At the other end, the Solar Max brings high sunspot numbers and solar storms with a regular rhythm that repeats every 11 years.

Reality, however, is more complicated. Astronomers have been counting sunspots for centuries, and they have seen that the solar cycle is not perfectly regular. For one thing, the back-and-forth swing in sunspot

counts can take anywhere from 10 to 13 years to complete. Also, the amplitude of the cycle varies. Some solar maxima are very weak while others can be very strong.

And as researcher Pesnell notes, there is yet another complication. He says that the last two solar maxima, around 1989 and 2001, had not one but two peaks. He says that solar activity went up, dipped, and then resumed while performing a mini-cycle within the Solar Max that lasted about two years.

Pesnell says that the same thing could be happening now. He notes that sunspot counts jumped in 2011 and dipped in 2012. As such, he expects them to rebound again saying that another peak will happen in 2013 and possibly last into 2014. Lets hope he is right.

For the Amateur Radio Newsline, I'm Heatrher Embee, KB3TZD, in Burwick, Pennsylvania.

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Another curiosity of the solar cycle is that the sun's hemispheres do not always peak at the same time. In the current cycle, the south has been lagging behind the north. The second peak, if it occurs, will likely feature the southern hemisphere playing catch-up, with a surge in activity south of the sun's equator. (SARL, NASA)

**

RADIO WRITING: ARRL'S DAVE SUMNER K1ZZ EXPLAINS DIY RENAISSANCE IN HAM RADIO

The resurgence in ham radio may partly be due to a renaissance in home building coupled with a need on the part of radio amateurs to serve their community. So says ARRL Executive Vice President Dave Sumner, K1ZZ's, in a recent article appearing in the Urgent Communications on-line newsletter.

In his commentary Sumner notes that when amateurs began experimenting with radio more than a century ago, they had no choice but to build everything they needed. Some went on to become successful entrepreneurs, selling their creations to fellow hobbyists who were more interested in operating radios than in constructing them. Others built their own receivers and transmitters either from economic necessity or for the fun and satisfaction of being able to say, "I did it myself." This in turn lead to the era of kit building with such giants as Heathkit becoming household names in ham radio.

K1ZZ notes that the advent of solid-state devices, printed circuit boards, and automatic parts insertion removed the price advantage that kits enjoyed. By the time the Heath Company closed its doors in 1992, most amateur-radio equipment was being manufactured in Japan. But this has not stopped ham radio operators from continuing the art of home construction and this in itself has lead to a resurrection in the art

of kit building. And this in turn has made portable emergency communications ability more attainable in the hobby.

As Dave Sumner notes, society has come to rely on a fragile telecommunications infrastructure that is susceptible to overload and outright failure. And while ham radio operators cannot substitute for all that infrastructure hams can communicate, no matter what. + You can read K1ZZ's entire article on-line at tinyurl.com/amateur-radio-renaissance. (Urgent Communications)

**

HAM RADIO IN SPACE: UK HAM LOCATES 1965 SATELLITE AS IT RETURNS TO LIFE

An American satellite, abandoned in 1967 as a piece of space junk has begun transmitting again after 46 years and a ham radio operator is responsible for finding it. Amateur Radio Newsline's Bruce Tennant, K6PZW, has more:

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Phil Williams, G3YPQ, is an Amateur Radio Astronomer in North Cornwall in the U.K.. According to reports he accidentally picked up the signal and after cross checking with various lists, he identified it as LES 1.

LES 1 was built by the Massachusetts Institute of Technology and launched in 1965. The satellite failed to reach its intended orbit owing to a wiring error and has been drifting out of control ever since.

Williams ran across it while monitoring near 237 MHz when he noticed a signal with a peculiar signal drift caused by the bird tumbling end over end every 4 seconds as the solar panels became shadowed by the satellites engine. Williams said that gives the signal a particularly ghostly sound as the voltage from the solar panels fluctuates.

The LES 1 satellite is about the size of a small car and is not likely to re-enter the atmosphere for a long time as the orbit is still relatively high. It poses no threat other than that caused by the thousands of other pieces of space junk currently in orbit. By now its likely that the on board batteries have now disintegrated so its likely that some other component failure has caused the transmitter to start up when its in sunlight bringing the ghost satellite back to life.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

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G3YPQ says its remarkable to think that electronics built nearly 5 decades ago, 12 years before Voyager 1, and long before microprocessors and integrated circuits, is still capable of working in the hostile environs of space. He adds that listening to the signal one can easily imagine the craft tumbling over and over every 4 seconds and the

transmitter starting up as the sun rises on its solar panels. (G3YPQ)

**

RADIO SCIENCE: APRS EXPERIMENT EXTENDS UNDERGROUND COMMUNICATIONS

APRS works to extend communications range underground. So says the modes developer Bob Bruninga, WB4APR, who reports on an experiment that took place on March 2nd . One where he and several other hams tested the use of APRS as a means to extend radio communications underground in Mammoth Cave, Kentucky. Amateur Radio Newsline's Stephan Kinford, N8WB, reports:

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According to Bob Bruninga, WB4APR, typically, VHF and UHF radio in underground caves are limited to only a few hundred feet and strictly line-of-sight making their routine use of little value. But with APRS radios acting as packet digipeaters, these few hundreds of feet can be extended by an order of magnitude.

Bruninga says that in the test a total of 14 APRS equipped radios were used in the cave to establish a network almost a mile long providing real-time position and text message communications along the route. Cavers carried a map of the cave marked with a Latitude and Longitude grid so they could manually enter their position into their handheld APRS-equipped transceivers. Texting via APRS provided communications end to end.

Among the interesting findings were that UHF worked about 13% better than VHF withan average link distance of about 450 feet even in the large subway sized passages of Mammoth Cave. Also power did not seem to matter much. The Kenwood TH-D72 walkie-talkie performed as well as several portable 10 watt mobile radios housed in boxes.

Another advantage of using UHF for this APRS network was that individual links in other caves can just as easily be pre-tested by unlicensed cave explorers using inexpensive FRS radios. This way, all cavers can plan and individually test the topology of an APRS network before actually gathering the required APRS equipment and setting up the actual expedition.

For the Amateur Radio Newsline, I'm Stephan Kinford, N8WB, in Wadsworth, Ohio.

--

Bruninga says that the system could even include e-mail into the topside global APRS system. (WB4APR)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the W7CSK repeater serving Everett, Washington.

(5 sec pause here)

**

YHOTY: NOMINATIONS SOUGHT FOR 2013 AMATEUR RADIO NEWSLINE YOUNG HAM OF THE YEAR

The nominating season for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open.

Created in 1986, this award is offered to recognize the accomplishments of a radio amateur age 18 or younger for his or her accomplishments in service to the nation, his or her community or to the advancement of the state of the art through amateur radio.

Nominees must reside in the United States 50 states or its possessions or in any of the 10 Canadian provinces.

As in years past, corporate underwriter Yaesu USA will transport the winner to the Huntsville Hamfest in Huntsville , Alabama, where the award will be formally presented. Yaesu will also provide Hotel accommodations as well as convention tickets and a prize of Yaesu amateur radio equipment to the winner. CQ Magazine will again treat this year's recipient to a week at Spacecamp-Huntsville. Heil Sound Ltd. will be gifting this year's winner with an additional prize. Last but by no means least; Amateur Radio Newsline will present the winner with the official Young Ham of the Year Award plaque which is underwritten by Dave Bell, W6AQ, of DBA Entertainment in Hollywood, California.

Complete details, rules and a required nominating form in Adobe .pdf format are available on our website at www.arnewsline.org/yhoty. Nominating forms can also be obtained by sending a self addressed stamped envelope to Amateur Radio Newsline Inc., 2013 Young Ham of the Year Award, 28197 Robin Avenue, Santa Clarita California, 91350.

Again the cutoff date for nominations is May 30, 2013. And please note that all nominating forms and support materials become the property of the Amateur Radio Newsline and cannot be returned. (ARNewsline(tm))

**

ENFORCEMENT: FORMER HAM ISSUED $10000 NAL FOR UNLICENSED OPERATION ON 20 METERS

The FCC has notified Jared A. Bruegman of Bolivar, Missouri, a $10,000 Notice of Apparent Liability. This for his alleged operating of an unlicensed radio transmitter in the 20 meter band.

On December 18, 2012, in response to a complaint of interference to amateur radio communications, agents from the Enforcement Bureau's

Kansas City Office monitored a male voice transmitting on 14.312 MHz. They used direction finding to locate the source of the radio transmissions to an antenna mounted on a pole next to a residence in Bolivar, Missouri.

The agents quickly determined that the signals on 14.312 MHz exceeded the limits for operation under Part 15 of the Commission's rules and therefore required a license. The Commission's records showed that no authorization was issued to the address for operation of a radio transmitter on that frequency at that location.

Immediately after locating the source of the signals the agents inspected the unlicensed radio transmitter, which was located in a bedroom in the residence. The FCC says that Jared Bruegman was the only person present in the bedroom and the only male in the residence during the inspection.

At that time Bruegman admitted to the agents that he owned the radio transmitter. The agents observed that the transmitter was turned on and tuned to 14.311 MHz. Bruegman told the agents that he had no current Commission licenses, but that he previously held an Amateur Radio license with the call sign KC0IQN. Bruegman then told the agents he would remove the microphone from his transmitter and only use it as a receiver.

On February 25th the FCC issued the $10,000 proposed fine to the former ham. In doing so it noted that the evidence in this case is sufficient to establish that Jared A. Bruegman violated Section 301 of the Communications Act. He was given the usual 30 days to pay the amount in full or to file an appeal. (FCC)

**

RADIO LAW: FCC TELLS STATIONS TO CHANGE EAS PASSWORDS

Several broadcast groups are taking precautions to ensure their emergency alert units are secure. That's in the wake of someone hacking into a station's Emergency Alert System or EAS encoder/decoder through its connection to the Internet and programming a fake alert. One which the device then automatically transmitted.

Soon after the incident the FCC issued an order telling stations that they must change the passwords for their EAS encoders/decoders. This being especially urgent if the devices are still set with the factory default password.

As previously reported, the bogus alerts, which were initially broadcast over TV stations in Montana and Michigan, warned viewers of zombie attacks. The fake alerts occurred when someone knew or figured out the default password of EAS equipment and inserted the fake message into the EAS automatic forwarding system. (RW)

**

COMMUNICATIONS VANDALISM: LOCK GLUER HITS COLORADO SPRINGS TV STATION

A traffic reporter for Colorado Springs, Colorado station KXRM found he couldn't get into the downtown studio on Monday morning March 4th. This was because the locks on the building had been vandalized by filing them with glue.

Police told KXRM that a substance had been placed in the locks causing them to malfunction. The lock gluer also hit a Presbyterian church, the El Paso Democratic Party offices, City Hall and the Colorado Springs Independent newspaper.

Authorities say that they have identified a possible suspect despite the downtown surveillance cameras not working at the time. (BCF)

**

RADIO BUSINESS: HAMMOND MANUFACTURING TO TAKE OVER DAHL TRANSFORMER LINE

A follow-up on our recent story concerning the decision by Harbach Electronics to discontinue the manufacture of the Peter Dahl line of high performance transformers. Transformers that are used in the design and manufacture of many high power amplifiers around the world.

Late word is that Hammond Manufacturing of Cheektowaga, New York will be taking over the Peter Dahl line of from Harbach. According to both Harbach and Hammond, the two are working swiftly on the finalization of the acquisition and that the transfer of Peter Dahl brand assets will take place over the next few weeks.

Both Harbach and Hammond hope to have everything completed no later than March 31st. Keep an eye on the Hammond website at www.hammfg.com for the latest updates. (Hammond Mfg.)

**

RADIO BUSINESS: MOUSER ELECTRONICS SIGNS INTERNATIONAL DISTRIBUTION AGREEMENT WITH COILCRAFT

Mouser Electronics, a name well known in the ham radio do it yourself movement, has announced the signing of a new international distribution agreement with Coilcraft, a leading magnetic component manufacturer, across the regions of Europe, Asia, Mexico and South America. Through this partnership, announced at Embedded World in Germany, Mouser is now stocking a wide range of Coilcraft's magnetic and inductive products for immediate shipment.

Coilcraft provides magnetic components including high-performance RF chip inductors, power magnetics and filters in a variety of packages and a wide range of values. Designer's kits are offered to help engineers learn the capabilities of these high-performance inductors.

According to Mouser President and CEO Glenn Smith, this agreement with Coilcraft helps further his company's commitment to providing the

newest products and technologies for design engineers from industry-leading suppliers. Smith adds that Mouser and Coilcraft are looking forward to a long-standing and successful partnership together. (Mouser Electronics, Power Systems Newsletter)

**

HAM HAPPENINGS: DARC HAMVENTION 2013

On the social scene, the 64th Lake Constance and the HAM RADIO 2013 Convention, both organized by Deutscher Amateur Radio Club will take place from Friday, June 28th through Sunday, June 30th, 2013 in Friedrichshafen, Germany. This event has long been considered Europe's premiere ham radio gathering with attendees from around the world coming to take part.

One of the highlights of this years HAM RADIO gathering will be an informal international meeting for representatives of IARU member societies. It will be held at the Zeppelin Museum on Friday, June 28th. Event planners say that they will provide a shuttle bus that will take those attending from the exhibition halls to the museum.

If you are planning to attend from outside of Europe, the closest major city to fly into would be Munich. From the United States it is served by several major airlines including non-stop service from New York's JFK International and Los Angeles International airports on Lufthansa and United.

More information on HAM RADIO 2013 can be found in the German language at www.hamradio-friedrichshafen.de. Planners say that they hope that you can be there this year. (DARC, DF2OO)

**

HAM HAPPENINGS: THE SARL NATIONAL CONVENTION APRIL 26 - 28

The 2013 South African Radio League's National Convention and Annual General meeting will be held April 26th to the 28th at the Sulla Via Venue not far from Johannesburg. This years gathering will be hosted by the West Rand Amateur Radio Club with Kenny Neville from West Rand Astronomy Club as the featured guest speaker. If conditions are clear Neville's talk may be followed by a sky gazing party. More information, further program details and reservation forms should be on-line right now at will be available on www.sarl.org.za. The planners hope to see many ham radio operators there. (SARL)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

WORLDBEAT: WORLD AMATEUR RADIO DAY 2013

World Amateur Radio Day is April 18th and according to the International Amateur Radio Union that sponsors the event the theme this year is Amateur Radio: Entering Its Second Century of Disaster Communications. Amateur Radio Newsline's Cheryl Lasek, K9BIK, has the details:

--

According to the IARU announcement, the theme for 2013 of Amateur Radio: Entering Its Second Century of Disaster Communications is an excellent opportunity for amateur radio emergency communications groups to take advantage of the event to highlight the role amateur radio plays in disaster response.

Among the suggestions are for IARU member societies to arrange ham radio demonstrations in public places such as parks or shopping areas. The IARU says that such demonstrations in public areas usually generate inquiries and questions from the public about amateur radio. It adds that this makes it a great opportunity to attract new people to become members of the ham radio community.

The IARU notes that in 2013, April 18th is a weekday but that should not keep public activity from taking place either on the weekend before or after that date. Also, if you plan on holding a public demonstration, the IARU says not to forget to include some young people to show all ages are a part of this growing world wide public service oriented hobby.

For the Amateur Radio Newsline, I'm Cheryl Lasaek, K9BIK, in Zion, Illinois.

--

More information on World Amateur Radio Day is on the web at www.iaru.org. (IARU)

**

WORLDBEAT: BBC ACCUSES CHINA OF JAMMING ITS BROADCASTS

The BBC World Service says that its radio broadcasts in English are being jammed in China, suggesting the Chinese authorities were behind the disruption.

In a statement issued on Monday, February 24th the BBC said that it has received reports that World Service English shortwave frequencies are being jammed in China. It continued by stating that it strongly condemns this action which is designed to disrupt audience's free access to news and information.

China, which enforces restrictions on its domestic media, has been accused by several foreign media distributors of trying to stop their news reports reaching Chinese audiences. A duty officer at China's foreign ministry had no immediate comment. (BBC)

**

HAM RADIO IN SPACE: IARU ANNOUNCES FREQUENCIES FOR KOREAN CUBESAT OSSI

In ham radio space related news, the IARU amateur radio satellite frequency coordination panel has announced the frequencies for the OSSI-1 CubeSat developed by Hojun Song DS1SBO. The 2 meter downlink will be on 145.980 MHz with an uplink and downlink on 437.525 MHz.

OSSI-1 is currently planned to launch on April 30th into a 575 kilometer 64.9 degree inclination orbit on a Soyuz-2-1b booster from the Baikonur launch facility in Kazakhstan. Other satellites to be launched on this mission include the Bion-M1, SOMP, BEESAT 2, BEESAT 3 and the Dove-2 satellites. (IARU Satellite Coordination)

**

HAM RADIO IN SPACE: VANDERBILT-AMSAT RADFXSAT CUBESAT SELECTED FOR NASA ELANA PROGRAM

A joint satellite venture of AMSAT and Vanderbilt University has been selected as one of the winning projects for the fourth round of their CubeSat Launch Initiative.

AMSAT partnered with the Institute for Space and Defense Electronics at Vanderbilt University to develop its winning proposal. The official name of the project is RadFxSat and it was selected at priority 15 out of the 24 winners.

Project selection was based on technical feasibility and the assessed merit for conducting technology demonstrations, education, and science research. The selected projects are eligible for a free launch on NASA Educational Launch of Nanosatellite missions as auxiliary payloads on launches planned for 2014, 2015 and 2016. The 24 winning CubeSat proposals came from universities, a Florida high school, non-profit organizations and NASA field centers. (ANS)

**

RADIOSPORT: HOLYLAND CONTEST 2013 - APRIL 19 - 20

On the air, word that the 2013 Holyland Contest 2013 will be held from 2100z UTC on April 19th, and ends at 2100 UTC on April 20th. This year's contest goal will be to have as many Israeli mobile stations activating many different and rare squares for the "Holyland Award". Complete contest details and last year's results are available at tinyurl.com/holyland-contest-2013. (4Z4KX, IARC)

**

ON THE AIR: DL100OUI CELEBRATES 100 YEARS SINCE FIRST DL -US RADIO CONTACT

And keep an ear open for the German special event callsign D-L-100-Oh-U-I which will be on the air throughout 2013. This is in celebration of the 100th anniversary of the first commercial radio contact between that nation and the United States from village of Eilvese near the city of Hannover. OUI were the call letters of the German station at that time. The US station was located in Tuckerton, New Jersey. QSL this one as directed on the air. (Southgate)

**

DX

In DX, word that TA1HZ will be in Somalia on a humanitarian mission from March 23rd to April 4th with the organization Yeryuzu Doktorlay. His primary purpose is as a doctor and but also plans some on the air time likely from the city of Mogadishu using the call T5TC. His operation will be on the High Frequency bands using a Kenwood radio and a Windom antenna. If you work him QSL to TA1HZ as per the details found in www.qrz.com.

OE1MWW will be active from the Maldives as 8Q7WK between March 9th to the 23rd. His operation will be holiday style on the High Frequency bands. QSL via his home callsign.

DF8DX will be operational from Tanzania as 5H1DX from April 20th to the 28th. Late reports say that he will be active from different islands including Pemba. QSL via his home call.

G3RWF will be on the air from Rwanda through March 12th likely usi8ng the call sign 9X0NH. Activity will be on most High Frequency bands using mainly CW with some SSB. Logs will be uploaded daily to Logbook of the World. QSL via G3RWF.

F2FD is now active stroke HR5 from Honduras and should be there through May 20th. He states that he will be active as much as possible on CW, SSB and RTTY. QSL via F6AJA or Logbook of the World.

SM6CUK will be operational as SA6G/7 from Ven Island between June 10th and the 17th. Activity will be holiday style on the HF bands. QSL via SM6CUK, direct or via the bureau.

Lastly, G0VJG will be on the air S79VJG from the Seychelles between April 4th to the 16th. Activity will be on the 40 through 10 meters using SSB. QSL via G4DFI.

**

THAT FINAL ITEM: MARCH 15TH EPISODE OF LAST MAN STANDING TO FEATURE HAM RADIO

And finally this week, Friday, March 15th is the date that ABC will air an episode of its hit situation comedy Last Man Standing that will

involve amateur radio.

The episode is titled The Fight. In it, central character Mike Baxters daughter Mandy gets her cell phone taken away. She then uses Mikes home shack and amateur radio to make friends over the airwaves.

The shows producer John Amodeo, NN6JA. He tells Newsline that while he hopes amateur radio operators will enjoy watching, that they have to remember the episode was written keeping in mind the shows 7 million non-ham viewers who will be tuned in. Even so, he hopes that ham radio-wise the story line might serve an even more important purpose;

--

Amodeo: "Episode 217 of Last Man Standing is written about ham radio, but of coarse its written for the general public; so hams will probably notice some inconsistencies or inaccuracies. But what's most important is that non hams ask questions about ham radio and perhaps learn something about ham radio; then we've accomplished something."

--

Last Man Standing stars Tim Allen as Mike Baxter, who holds the fictitious call KA0XTT and has ham radio as his hobby. The show is produced by 20th Century Fox Television for the ABC Television Network and airs on Friday nights at 8 PM Eastern and Pacific and 7 Central. Check your local listings for the ABC station that carries Last Man Standing in your area. (ARNewsline(tm))

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Skeeter Nash, N5ASH, saying 73 and we thank you for listening.

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114. FCC Daily Digest 03/08/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-08 17:14:58 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-526719-2013.03.08-11.36.02--rec-radio-info#panix.com@info.fcc.gov>
Source record: 24
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 45 March 08, 2
013

[...]

Released: 03/08/2013. FCC SEEKS COMMENT ON RECOMMENDATIONS APPROVED BY T
HE ADVISORY COMMITTEE FOR THE 2015 WORLD RADIOCOMMUNICATION CONFERENCE. (DA
No. 13-330). (Dkt No 04-286). Comments Due: 03/22/2013. IB . Contact:
Alexander Roytblat at (202) 418-7150, email: Alexander.Roytblat@fcc.gov ht
tp://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A2.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A3.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A2.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-330A3.txt

[...]

115. Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-09 15:29:26 UTC
From: Foxs Mercantile <jdangus@att.net>
Message-ID: <khefsq$us9$1@speranza.aioe.org>
Source record: 25

If you've been licensed long enough to belong to the QCWA, then
you probably got your start in Amateur radio via the Novice Class
license.

What was your first antenna? If you were licensed in the '50s or
earlier, probably a doublet antenna, open wire line and a tuner.

But, from the mid '60s and later, you were probably sold a bill of
goods commonly referred to as a vertical antenna. You follow the
instructions, measure everything twice borrow an swr meter from
your Elmer, it's tuned up perfectly, but.... It just doesn't work.

How many prospective hams did we lose to this marketing trick?

I know what you're thinking, "Marketing trick?" Yes, consider the
salesman at the local radio store. The focus in sales is to maximize
profits. Which is going to contribute to the bottom line better. 65'
of #14 wire and 3 egg insulators or a 4-band trapped vertical, a
40' push up mast, 130' of #14 wire and 8 egg insulators?

Guess what folks, they're still at it pushing vertical antennas that
don't work.

"But I don't have room for a dipole"
Then you don't have room for radials either and your vertical won't
work.

"But so and so's DXpedition uses verticals."
Did you notice they were on the beach 3' from the ocean?

"I can hear all over the world, but I need an amplifier to transmit."
People get DXCC running 5 watts, there's something wrong with
your antenna if it takes 1 KW to be heard.

Jeff-1.0
wa6fwi

116. Re: Can pasta-inspired radio waves could unclog the wireless world?

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-09 15:31:55 UTC
From: Blundering boffins exposed <blundering.boffins@gmail.com>
Message-ID: <3ff3b9b1-eaf4-495a-84ac-82b934fb599b@googlegroups.com>
Source record: 26

On Tuesday, 6 March 2012 16:49:19 UTC+1, Bill Horne wrote:
> I came across this story today, and I'd appreciate hearing other hams'
>
> opinions as to whether this is possible. TIA.
>
>
> Bill, W1AC
>
> - - - - -
>
> Pasta-inspired radio waves could unclog the wireless world
>
>

Naï¿½ve theoreticians got their own knickers twisted over radio waves blund
er.

An italo-swedish Team hit the headlines when it announced the discovery of
the photon orbital angular momentum and its vorticity in the radio frequenc
y spectrum, in a similar way to what it happens with coherent light beams.
Read more on this on
http://www.blunderingboffins.altervista.org/

117. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-10 02:12:34 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <t9onj8d4mvet0it5pibf9qe47ufvrbkb2n@4ax.com>
Source record: 27

On Sat, 9 Mar 2013 10:29:26 EST, Foxs Mercantile <jdangus@att.net>
wrote:

>"But I don't have room for a dipole"
>Then you don't have room for radials either and your vertical won't
>work.

Tell that to my Cushcraft R-8 vertical, which after I sold it, was
well on the way to filling in the DXCC gaps of the new owner.

The only thing about it that didn't "work" was it wasn't a good NVIS
antenna for 80 metres, and that's where a wire 8 feet above ground
worked really well. Then again, Cushcraft specs the antenna as 40
metres and down.

The reason that I sold it is that there are limits on what I can put
up in the rental apartment complex here. Right now I only have 2 v/u
j-poles, 2 mag-mount 2-metre ground planes, a helical amplified HF RX
antenna made for SWL-ing, a sort-of-j-pole for vhf/uhf monitoring, and
a 30-foot "stealth" wire from a matching net on the porch out to the
trees.

Where there's a will there's a way.

73 de K2ASP - Phil Kane

>From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

118. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-10 02:12:50 UTC
From: Phil Kane <k2asp@arrl.net>
Message-ID: <qtonj89v1kva8gqkh274lp30shiqb29d55@4ax.com>
Source record: 28

On Sat, 9 Mar 2013 10:29:26 EST, Foxs Mercantile <jdangus@att.net>
wrote:

>"I can hear all over the world, but I need an amplifier to transmit."
>People get DXCC running 5 watts, there's something wrong with
>your antenna if it takes 1 KW to be heard.

When was the last time that you worked DX or a contest up against the
Kilowatt Kings? I refrain from both unless I'm operating a club
station with output power approaching the four digit range.

73 de K2ASP - Phil Kane

>From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

119. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-10 21:53:58 UTC
From: nospam@w6yx.stanford.edu
Message-ID: <khiqdh$8ee$1@usenet.stanford.edu>
Source record: 29

In article <khefsq$us9$1@speranza.aioe.org> Foxs Mercantile <jdangus@att.net> writes:
>If you've been licensed long enough to belong to the QCWA, then
>you probably got your start in Amateur radio via the Novice Class
>license.
>
>What was your first antenna? If you were licensed in the '50s or
>earlier, probably a doublet antenna, open wire line and a tuner.

Inverted V.

>But, from the mid '60s and later, you were probably sold a bill of
>goods commonly referred to as a vertical antenna. You follow the
>instructions, measure everything twice borrow an swr meter from
>your Elmer, it's tuned up perfectly, but.... It just doesn't work.
>
>How many prospective hams did we lose to this marketing trick?

How many had it work, and be quietly successful in space where there
wasn't the opportunity to string a dipole at a reasonable elevation?

>Guess what folks, they're still at it pushing vertical antennas that
>don't work.
>
>"But I don't have room for a dipole"
>Then you don't have room for radials either and your vertical won't
>work.

Well, not quite true. One may not have room at elevation because
supports for the ends of the dipole are impossible. The dipole may
be impossible due to proximity to power lines, or other obstructions.

The ground system of a vertical can be hidden on or slightly under
the apparent surface. Since it doesn't need to be supported by end
supports, it can be installed in lots of places where a dipole is not
possible.

>"I can hear all over the world, but I need an amplifier to transmit."
>People get DXCC running 5 watts, there's something wrong with
>your antenna if it takes 1 KW to be heard.

This part is true. If your antenna provides 20 dB loss compared to
another, your receiver won't generally hear the difference on HF (which
is atmospheric noise limited). The S-meter will not go as far over,
and the AGC will adjust, but the signal/noise of the received stations
will be pretty much the same.

On transmit, however, your 100 watts would put out a signal equivalent to 1 watt using the "good" antenna. At the far end, you are 20 dB lower than the other guys. If they were delivering a 15 dB s/n, yours will be -5 dB --- you won't be heard.

While I don't chase DX, once I learned this lesson, I was able to work it with 5 watts or less.

Alan
wa6azp

120. 30 Years Ago: New Distance Record on 220 MHz

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-11 21:45:03 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <513dff34$0$71773$540ea2cf@novia.net>
Source record: 30
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.dx

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: ad7i <utzoo!decvax!harpo!npoiv!hou5f!ariel!houti!hogpc!houxq!houxp!ad7i>
>Subject: ARRL 18: New 220 record
>Newsgroups: net.ham-radio
>Date: Thu Mar 10 09:22:54 1983

qst de ad7i
red bank, new jersey, u.s.a.
hr arrl bulletin nr 18 from arrl headquarters
newington ct march 9, 1983
to all radio amateurs bt

a new world dx record on 220 mhz was set at 0000z today when kp4eor
contacted lu7djz, a distance of 3670 miles. this is approximately
1000 miles farther than the previous record. the contact was made
via transequatorial propagation, with kp4eor using both cw and ssb
while lu7djz used cw only. complete details will be in may qst ar

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlE9/vsACgkQ6Pj0az779o5fywCfTYE6CeMk4vKcqo1GZWtjEYQs
N98AoKDi/J+iAR4nbRLlPnnrXWCtidQM
=nQjw
-----END PGP SIGNATURE-----
```

121. ARRL Nebraska State Convention

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-12 17:14:58 UTC
From: ARRL Members Only Web site <memberlist@www.arrl.org>
Message-ID: <20130312155809.557B720657@bmail.arrl.org>
Source record: 31
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

A reminder. The ARRL Nebraska State Convention will be held this coming Saturday, March 16, 2013. There are new vendors, great prizes, and a great time awaiting you! The event will be held at the Lancaster County Event Center, 84th and Havelock Ave., in Lincoln. General admission costs $8 ($5 for Lincoln Amateur Radio Club Members, the sponsor). The hours are 8am to 2pm.

For more information and for flea-market/commercial setup schedule, please visit the hamfest website:

http://lincolnhamfest.org

I will be there. I hope to see you there!

73, Art K0AIZ

ARRL Nebraska Section
Section Manager: Arthur I Zygielbaum, K0AIZ
k0aiz@arrl.org
---

122. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-12 18:02:28 UTC
From: Jerry Stuckle <jstucklex@attglobal.net>
Message-ID: <khm4rn$rb8$1@dont-email.me>
Source record: 32

On 3/9/2013 10:29 AM, Foxs Mercantile wrote:
> If you've been licensed long enough to belong to the QCWA, then
> you probably got your start in Amateur radio via the Novice Class
> license.
>
> What was your first antenna? If you were licensed in the '50s or
> earlier, probably a doublet antenna, open wire line and a tuner.
>
> But, from the mid '60s and later, you were probably sold a bill of
> goods commonly referred to as a vertical antenna. You follow the
> instructions, measure everything twice borrow an swr meter from
> your Elmer, it's tuned up perfectly, but.... It just doesn't work.
>
> How many prospective hams did we lose to this marketing trick?
>
> I know what you're thinking, "Marketing trick?" Yes, consider the
> salesman at the local radio store. The focus in sales is to maximize
> profits. Which is going to contribute to the bottom line better. 65'
> of #14 wire and 3 egg insulators or a 4-band trapped vertical, a
> 40' push up mast, 130' of #14 wire and 8 egg insulators?
>
> Guess what folks, they're still at it pushing vertical antennas that
> don't work.
>
> "But I don't have room for a dipole"
> Then you don't have room for radials either and your vertical won't
> work.
>
> "But so and so's DXpedition uses verticals."
> Did you notice they were on the beach 3' from the ocean?
>
> "I can hear all over the world, but I need an amplifier to transmit."
> People get DXCC running 5 watts, there's something wrong with
> your antenna if it takes 1 KW to be heard.
>
> Jeff-1.0
> wa6fwi
>

Yup, I "fell" for the hype. Didn't quite get WAS (actually didn't try that hard - I prefer rag chewing). But I worked Australia with 100W SSB from Iowa, as well as much of Europe and South America with my Hy-Gain 18-AVQ. Spent a fair amount of time on the 75M Iowa SSB Net, also.

I wonder how I could have done if I had added some radials.

--
==========
Remove the "x" from my email address
Jerry, AI0K
jstucklex@attglobal.net
==========

123. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-12 19:37:51 UTC
From: Bert <bert@iphouse.com>
Message-ID: <XnsA1809C6C369DFVeebleFetzer@78.46.70.116>
Source record: 33

In news:khefsq$us9$1@speranza.aioe.org Foxs Mercantile <jdangus@att.net>
wrote:

> But, from the mid '60s and later, you were probably sold a bill of
> goods commonly referred to as a vertical antenna. You follow the
> instructions, measure everything twice borrow an swr meter from
> your Elmer, it's tuned up perfectly, but.... It just doesn't work.

Using my non-functioning verticals, never more than 100 Watts, and a
very desultory operating style, I've managed to do WAS a few times over
and have 235 countries confirmed.

What are you selling?

--
Bert Hyman W0RSB St. Paul, MN bert@iphouse.com

124. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-13 18:41:56 UTC
From: n3licoslo@gmail.com
Message-ID: <ddef153f-28e4-419e-bf95-fcfb7653d1a4@googlegroups.com>
Source record: 34

On Tuesday, March 12, 2013 3:37:51 PM UTC-4, Bert wrote:

>
> Using my non-functioning verticals, never more than 100 Watts, and a
>
> very desultory operating style, I've managed to do WAS a few times over
>
> and have 235 countries confirmed.

Once I was challenged by Roy Lewallen to do some quantative testing on ante
nnas during a discussion on the two types of antennas.

In my experiment, I made a switching arrangement between a Butternut HF6V v
ertical, ground mounted, with somewhere in the neighborhood of 20 buried ra
dials, and a 96 foot doublet at 50 feet.

Ahead of the switching arrangement was a pad, so that I could adjust the me
ter reading by switching attenuation in or out. Obviously I did not want
to transmit through the pad.

Most of my experiment consisted of listening to other hams, and switching b
ack and forth between the two antennas, then adjusting the signal strenght
until they were the same.

The results:

Some times the Vertical was best.
Some times the Horizontal dipole was best.
Some times which antenna perfomed best changed during the middle of a QSO.

Overall, the vertical was a little louder on recieve, and generally a littl
e weaker on transmit, although there were two things affecting this. And su
rprisingly enough, it wasn't always the take off angle. Some times it was I
MO signal polarity, but that's another experiment. The changes in signal st
rength that occured mid QSO were often noted by the people I was recieving
, and they usually attributed it to the band changing. I think it might hav
ebeen band changing and a shift in th epolarity of the recieved signal.

The other issue is that while it is common knowledge that a Vertical has a
lower take off angle and therefore "better" for DX, it must be remembered t
hat that lower take off angle needs to have more signal strength heading ou
t at that angle than an antenna with a more circular pattern has. And they
do not always.

So my conclusions about which is best between a vertical and dipole antenna
is a resounding and very convinced, Yes!

I believe that each has moments when it works better than the other, based on Band, your QSO's distance from your station, and sometimes propagation effects.

Most verticals need radials, and the radials must be installed properly 4 radials are not good practice. My 20 some radial setup was not ideal, but into diminishing returns. Since I installed them over time, I was able to notice that the signals were not getting any louder, a rough and ready test of efficiency.

But verticals do work.

125. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-13 22:09:26 UTC
From: Howard Lester <howardxtlester@verizon.net>
Message-ID: <khqqng$n7q$1@dont-email.me>
Source record: 35

<n3licoslo@gmail.com> wrote

> Most verticals need radials, and the radials must be installed properly 4
> r
> adials are not good practice. My 20 some radial setup was not ideal, but
> in
> to diminishing returns. Since I installed them over time, I was able to
> not
> ice that the signals were not getting any louder, a rough and ready test
> of
> efficiency.
>
> But verticals do work.

Yes, they do, when properly installed and configured --- according to all I have read. ;-) (I have never used a vertical on HF.) Wasn't it Jerry Sevick who years ago experimented with raised vs. buried radials? My recollection (not to be trusted) is that four *elevated* 1/4 wave radials work well. But if you cannot elevate them and must lay them on the ground or bury them, then you need... a lot of them. I forget if he used 96 or 120 of them.... Of course there are diminishing returns, and Michael's 20-radial arrangement should be plenty adequate - as he demonstrated. In any case, you just have to get the near field to become highly conductive for a vertical to perform as it should.

Howard N7SO

126. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-14 20:28:06 UTC
From: Dick Grady AC7EL <richard@richbonnie.com>
Message-ID: <cgu3k8p3s8e31pv7d526l6gpomeq17omg4@4ax.com>
Source record: 36

On Wed, 13 Mar 2013 18:09:26 EDT, "Howard Lester"
<howardxtlester@verizon.net> wrote:

>My
>recollection (not to be trusted) is that four *elevated* 1/4 wave radials
>work well.

2-meter vertical antennas intended for use on the top of masts use
only 3 radials, and they work well. Four elevated radials also should
work.

Dick Grady, AC7EL

127. The ARRL Letter for March 14, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-15 01:21:12 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130314212451.4FCB526C7C@bmail.arrl.org>
Source record: 37
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
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March 14, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + Solar Cycle 24 May Have "Double Peaks," Says NASA Solar Physicist
- + Amateur Radio in the Classroom: DARA to Provide Financial Support
for Advanced Teachers Institute Session
- + Bob Bruninga, WB4APR, Takes APRS Underground
- + Amateur Radio in Space: Astronauts Return to Earth from ISS; Watch
Live on NASA TV
- Two New Books for Your Amateur Radio Library
- + W1AW Announces 2013 Spring Operating Schedule
- + ARRL, Microsoft Resolve E-mail Blockage
- Solar Update
- + US Postal Service Introduces Global Forever Stamp
- British Ham Receives 2012 Cass Award

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

There will be no ARRL Audio News on Thursday, March 21. The ARRL Letter
will be distributed on its regular schedule that day. The ARRL Audio
News will return March 28.

==> + SOLAR CYCLE 24 MAY HAVE "DOUBLE PEAKS," SAYS NASA SOLAR PHYSICIST

<http://www.arrl.org/images/view/News/doublepeak.jpg> According to
NASA, the current solar cycle -- Solar Cycle 24 -- should hit its
"solar max" sometime in this year, but so far, solar activity has been
relatively low. According to an article by NASA's Dr Tony Phillips,
this period of quiet has led some observers to wonder if forecasters
missed the mark. But solar physicist Dean Pesnell of NASA's Goddard
Space Flight Center has a different explanation: "This is solar
maximum. But it looks different from what we expected because it is
double peaked." Pesnell noted similarities between the current cycle
and Solar Cycle 14, which happened between February 1902 and August
1913 and experienced a double peak. If the two cycles are in fact
```

twins, he said that "it would mean one peak in late 2013 and another in 2015." Read more here <http://www.arrl.org/news/solar-cycle-24-may-have-double-peaks-says-nasa-solar-physicist>.

==> + AMATEUR RADIO IN THE CLASSROOM: DARA TO PROVIDE FINANCIAL SUPPORT FOR ADVANCED TEACHERS INSTITUTE SESSION

The ARRL is preparing to present the 2013 sessions of its popular Teachers Institute on Wireless Technology this summer. For the fourth year in a row, the Dayton Amateur Radio Association (DARA) will provide financial support for the advanced session of the Teachers Institute (TI-2). The TI-2 session -- Remote Sensing and Data Gathering -- will be held July 22-25 at DARA's new classroom facility at their clubhouse in Dayton, Ohio. In addition, there will be two basic Teachers Institute sessions (TI-1) this summer: One at ARRL Headquarters in Newington, Connecticut (July 8-11) and one at Parallax, Inc in Rocklin, California (July 15-18). Read more here <http://www.arrl.org/news/dara-to-provide-financial-support-for-advanced-teachers-institute-session>.

==> + BOB BRUNINGA, WB4APR, TAKES APRS UNDERGROUND

Bob Bruninga, WB4APR, led a group of radio amateurs earlier this month to Mammoth Cave -- the world's longest known cave system -- at Mammoth Cave National Park in Kentucky to test how the Automatic Packet Reporting System (APRS) can be used as a means to extend radio communications underground. "When used underground, VHF and UHF radios can only work within a few hundred feet of each other and only when in the line of sight of another radio," Bruninga explained. "This makes routine use of these radios of little value when underground; however, when APRS radios act as packet digipeaters, these few hundreds of feet can be extended by an order of magnitude." Bruninga, a senior research engineer at the US Naval Academy, developed APRS as a global, on-air protocol for supporting handheld position reporting and text messaging via VHF radio. Read more here <http://www.arrl.org/news/bob-bruninga-wb4apr-takes-aprs-underground>.

==> + AMATEUR RADIO IN SPACE: ASTRONAUTS RETURN TO EARTH FROM ISS; WATCH LIVE ON NASA TV

After spending 143 days in space, Expedition 34 Commander Kevin Ford, KF5GPP, Russian Soyuz Commander Oleg Novitskiy and Russian Flight Engineer Evgeny Tarelkin (both of the Russian Federal Space Agency) will begin their voyage home to Earth on Thursday, March 14, marking the end of Expedition 34 on board the International Space Station (ISS). The trio will undock their Soyuz spacecraft at 8:30 PM EDT (0030 UTC on Friday, March 15) for the flight home. They are scheduled to arrive in Arkalyk, Kazakhstan almost four hours later at 11:57 PM EDT (0357 UTC on Friday, March 15). NASA will televise the farewell ceremony, as well as the undocking of the Soyuz craft, its launch and its landing in Kazakhstan live on NASA TV. Read more here

<http://www.arrl.org/news/astronauts-return-to-earth-from-iss-next-week-watch
-live-on-nasa-tv>.

==> TWO NEW BOOKS FOR YOUR AMATEUR RADIO LIBRARY

The ARRL has released two new books: Ham Radio for Arduino and PICAXE <http://www.arrl.org/shop/Ham-Radio-for-Arduino-and-PICAXE/> edited by Leigh L. Klotz Jr, WA5ZNU, and Radio Science for the Radio Amateur <http://www.arrl.org/shop/Radio-Science-for-the-Radio-Amateur/> by Eric Nichols, KL7AJ.

Ham Radio for Arduino and PICAXE

Microcontroller technology has exploded in popularity among ham radio operators. The new generation of single-board microcontrollers is easier than ever to use, bringing together hardware and software for project building that radio amateurs can easily dive into. With inexpensive microcontroller platforms -- such as the popular open-source Arduino board -- readily available parts, components and accessory boards, you can create beacon transmitters, keyers, antenna position control, RTTY and digital mode decoders, waterfall displays and more.

Editor Leigh L. Klotz Jr, WA5ZNU, has assembled this first edition of Ham Radio for Arduino and PICAXE to help introduce radio amateurs to the fun and rewards of experimenting with microcontrollers. Klotz and other contributors have designed projects that will enhance your ham radio station and operating capabilities, or you can use these projects as a launch pad for creating your own projects.

Radio Science for the Radio Amateur

In Radio Science for the Radio Amateur, Eric Nichols, KL7AJ, explores and explains the often profound differences between science and technology, dispelling the notion that we know all there is to know about radio. Using a fresh, playful approach, Nichols guides readers through some of the most fascinating "nooks and crannies" of the radio universe. Along the way, you'll find out how solving long-standing mysteries of radio -- of which there are still many -- doesn't require expensive hardware, but merely a scientific mindset and attention to detail.

These new publications are available from your ARRL Dealer <http://www.arrl.org/arrl-publication-dealers> or the ARRL Store <http://www.arrl.org/shop/Ham-Radio-for-Arduino-and-PICAXE/>. Ham Radio for Arduino and PICAXE <http://www.arrl.org/shop/Ham-Radio-for-Arduino-and-PICAXE/> (ARRL Order No. 3244), ISBN 978-0-87259-324-4, $34.95 retail, special ARRL Member Price $29.95, plus shipping; Radio Science for the Radio Amateur <http://www.arrl.org/shop/Radio-Science-for-the-Radio-Amateur/> (ARRL Order No. 3381), ISBN 978-0-87259-338-1, $27.95 retail, special ARRL Member Price $24.95, plus shipping.

==> + W1AW ANNOUNCES 2013 SPRING OPERATING SCHEDULE

With the switch from Standard Time to Daylight Saving Time this past weekend, W1AW Station Manager Joe Carcia, NJ1Q, has updated the W1AW operating schedule to reflect the change. Your local standard times have not changed, but the UTC times they reference have. Read more here <http://www.arrl.org/news/w1aw-announces-2013-spring-operating-schedule>.

==> + ARRL, MICROSOFT RESOLVE E-MAIL BLOCKAGE

After more than 20,000 ARRL members had their arrl.net and arrl.org e-mails blocked by Microsoft <http://www.arrl.org/news/more-than-20-000-b-arrl-net-b-b-arrl-org-b-e-mail-addresses-blocked-by-microsoft>,
the issue has been resolved. According to ARRL Information Technology Manager Michael Keane, K1MK, Microsoft told the ARRL that the mail blockage from ARRL servers to Microsoft domains (including msn.com, hotmail.com, live.com and outlook.com) was mitigated as of Sunday, March 10.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar indicators were mixed this week, with the average daily sunspot number down 8.4 points to 84.9, while the average daily solar flux rose 5.9 points to 118.5. Geomagnetic indices were much quieter, with the average planetary A index down 4.7 points to 4.4 and the average mid-latitude A index down 5 points to 3.9. The predicted solar flux for March 14-15 is 120, then 115 on March 16-17, 110 on March 18-20, 105 on March 21, 95 on March 22-24, 100 on March 25-26, 105 on March 27, 110 on March 28-31, 115 on April 1-3, and then peaking around 120 on April 4-11. The predicted planetary A index on March 14-16 is 8, 20 and 12, indicating more geomagnetic activity similar to March 1-2. The predicted planetary A index is 5 on March 17-20, 8 on March 21, 5 on March 22-27, 18 and 10 on March 28-29, and back down to 5 on March 30-April 16. Look for more on the ARRL website on Friday, March 15. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + US POSTAL SERVICE INTRODUCES GLOBAL FOREVER STAMP

In addition to an increase <http://www.arrl.org/news/postage-rates-to-rise-this-month> in postal rates in January 2013, the US Postal Service introduced a new Global Forever First-Class Mail International stamp <http://about.usps.com/news/national-releases/2013/pr13_011.htm>. Priced at $1.10 each and offered in a pane of 20, the new stamp offers a single price for any First-Class Mail International 1-ounce letter to any country in the world, as well as 2-ounce letters to Canada. The stamp is available online <http://www.usps.com/stamps>, at post offices in the US or by calling 1-800-782-6724. -- Thanks to ARRL Oklahoma Section Manager Kevin O'Dell, N0IRW, for the information.

==> BRITISH HAM RECEIVES 2012 CASS AWARD

Rob Chipperfield, M0VFC/ZD9UW, of Cambridge, England, received the 2012 Single-Operator Cass Award. The Cass Award <http://www.cassaward.com/> -- a monetary award of $1000 -- is offered as an incentive to encourage DXpedition operating excellence, and to encourage DXpeditions to maximize the number of different DXers worked. Chipperfield received the award for working 3362 unique stations over his four-day DXpedition to Tristan da Cunha in October 2012. In order to qualify for the award <http://www.cassaward.com/#rules>, he had to use radio transmitting and receiving equipment that he brought to Tristan da Cunha, as well as antennas that he either brought to Tristan da Cunha or that he constructed from local materials. The Cass Award is named in honor of Hugh "Cass" Cassidy, WA6AUD (SK), who published the West Coast DX Bulletin from 1968-1979.

This Week in Radiosport

This week:

- March 15 -- NCCC Sprint
- March 16 -- Feld Hell Sprint; AGCW VHF/UHF Contest
- March 16-17 -- Virginia QSO Party; Russian DX Contest
- March 16-18 -- BARTG HF RTTY Contest
- March 17 -- North American Sprint (SSB)
- March 18 -- Run for the Bacon QRP Contest
- March 21 -- NAQCC Straight Key/Bug Sprint

Next week:

- March 22 -- NCCC Sprint
- March 24 -- UBA Spring Contest (SSB)
- March 27 -- SKCC Sprint
- March 27 28 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

Upcoming ARRL Section, State and Division Conventions and Events

- March 16 -- ARRL Nebraska State Convention <http://www.arrl.org/hamfests/nebraska-state-convention-2>, Lincoln, Nebraska; ARRL West Texas State Convention <http://www.arrl.org/hamfests/west-texas-section-convention-58th-annual-st-patrick-s-day-hamfest>,
Midland, Texas
- March 23 -- ARRL South Texas State Convention <http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention

<http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention
<http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest
-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy
<http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho
- May 4 -- ARRL South Carolina Section Convention
<http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfe
st-1>,
Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania

- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Subscribe to NCJ - the National Contest Journal
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top contesters, letters, hints, statistics, scores, NA Sprint and QSO
Parties.

Subscribe to QEX -- A Forum for Communications Experimenters
<http://www.arrl.org/qex>. Published bi-monthly, features technical
articles, construction projects, columns and other items of interest to
radio amateurs and communications professionals.

Free of charge to ARRL members: Subscribe
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s>
to the ARES E-Letter (monthly public service and emergency
communications news), the ARRL Contest Update (bi-weekly contest
newsletter), Division and Section news alerts -- and much more!

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ARRL offers a wide array of products <http://www.arrl.org/arrl-store>
to enhance your enjoyment of Amateur Radio.

Donate <https://www.arrl.org/arrl-donation-form> to the fund of your choice -- support programs not funded by member dues!

Click here <ads@arrl.org> to advertise in this newsletter (subject to space availability).

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<http://www.arrl.org/>

128. rec.radio.amateur.moderated Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-15 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/guidelines-1-1363327202@panix.com>
Source record: 38
Cross-posted to: rec.radio.amateur.moderated,rec.radio.info,rec.answers,news.answers

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Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/guidelines
Revision: 1.14 2011/12/31 20:05:40
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

Welcome to rec.radio.amateur.moderated! This is a moderated newsgroup
for amateur radio operators and other people having an interest in the
Amateur Radio Service, as defined by national regulations and
international treaties. Following are the posting guidelines for this
newsgroup.

This message includes the following sections:

1. Topics and posting policies from the rec.radio.amateur.moderated Charter
2. Additional posting guidelines
2.1 Netiquette guidelines
2.2 Posting form requirements
2.3 Guidelines on signature (.sig) files
2.4 Guidelines on excessive quoting
2.5 Guidelines on pointers to outside sources
2.6 Guidelines regarding questioning someone's suitability to hold
an amateur radio license
2.7 Guidelines regarding name-calling
2.8 Guidelines regarding civility
2.9 Guidelines regarding anonymity and pseudonyms |
2.10 Other unacceptable topics |

------------------------------------------------------------------------

1. Topics and posting policies from the rec.radio.amateur.moderated Charter

rec.radio.amateur.moderated is an inclusive on-line community of amateur
radio operators and other people having an interest in the Amateur Radio
Service. Participants are invited to engage in open discussion of
amateur radio issues and exchange information about participating in the
hobby/service, in an atmosphere of civility, friendship, and fun.

Acceptable topics include but, are not necessarily limited to, questions
and discussions about amateur radio licensing, regulations, tips on
various aspects of setting up an amateur radio station, and sharing
operating experiences and insights.
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Unacceptable posts include, but are not limited to, buy/sell/trade posts, posts that are off-topic to the Amateur Radio Service, posts promoting or defending unlawful activities, etc.

Frequently-Asked-Questions lists and other information/bulletin/ announcement postings may be crossposted to rec.radio.info, rec.answers, and news.answers only with prior approval of the moderators of those newsgroups. In all such cases, an appropriate "Followup-To" header, containing only rec.radio.amateur.moderated, will be added by the moderators if one is not already provided.

After a 30-day public discussion and feedback period to gauge reader opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35f23326

the rec.radio.amateur.moderated Moderation Team had decided to consider amending its charter, and permit limited simultaneous crossposting to rec.radio.amateur.moderated and one other unmoderated amateur-radio-related discussion newsgroup. After a successful trial period (90 days, through early July 2009), we decided to adopt this change permanently.

Approved rec.radio.amateur.* newsgroups are those that are currently listed in the latest version of the "List of Big Eight Newsgroups" which is crossposted monthly to news.announce.newgroups, news.groups, and news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those that have been created consistent with the suggestions in "So You Want to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either "radio.amateur" or "ham-radio" in their names, including uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved newsgroups up-to-date. In case we have overlooked any, and a submission is rejected in error as a result, the rejected submitter can E-mail us at our administrative contact address (in the signature at the bottom of this article, and the default Reply-To for the rejection message) requesting that it be added, and that the article be approved. We may still choose to reject articles crossposted to any alt.* newsgroup with an inappropriate name, including obscene language, embedded name-calling, or encouragement of unlawful conduct.

Posters are encouraged to state their own views and share their experiences, but to refrain from making assumptions about the motivations of other newsgroup participants. Posters are expected to maintain a basic tone of civility. Prohibited uncivil discourse includes, but is not limited to, name calling.

Posts containing unsolicited advice questioning the right, worthiness, suitability and/or readiness of any individual (or members of any group) to be an amateur radio operator are unacceptable in this newsgroup. If an individual chooses to post asking for advice on when or whether to obtain an amateur radio license, or to participate in any type of lawful activity in the Amateur Radio Service, respondents should be careful to address their comments only to the original poster and not explicitly generalize to others in similar situations.

Similarly, posts that arbitrarily declare certain classes of amateur radio licenses, or certain members of national amateur radio societies (e.g., American Radio Relay League, Radio Amateurs of Canada, Radio Society of Great Britain, Wireless Institute of Australia, etc.), to be more or less worthy than others, are not permitted. Posts that politely encourage individuals to join their local amateur radio society, or to upgrade to higher classes of amateur radio license in order to enjoy greater operating privileges, are permitted, however. Posts that contain reasoned, civil, and fact-based discussion of the activities and internal politics of national amateur radio societies are also permitted.

Buy/Sell/Trade and Commercial Policy:

Posts containing offers to buy, sell, or trade are not permitted on rec.radio.amateur.moderated. The rec.radio.swap newsgroup was created for this purpose, and should be used instead. All such articles will be rejected by the moderators with the advice to re-post to that newsgroup.

This policy also prohibits links to, and discussions of, specific auctions. Posts on the subject of how ham operators can help newcomers to find good deals, or about the need to visit flea markets and look around locally before turning to auction sites, are acceptable, but not complaints about a single auction or auction site.

Postings that are entirely advertisements or other public relations campaigns will not be permitted. Relatively unbiased announcements or reviews of new amateur radio-related products or services may be permitted at the discretion of the moderators. Such posters are asked to disclose their financial or professional interest, if any, in such products or services.

Mentions of small amounts of free items, including both parts and equipment, for giveaway will be permitted on an occasional basis from casual, non-commercial owners, and at the discretion of the moderators. The items should be free except for reasonable direct costs such as shipping, must be directly amateur-radio-related, must be in serviceable condition, and be practical to ship to a distant recipient. This is intended as a common-sense exception to our ban on forsale postings, provided that it doesn't overwhelm the basic character of our discussion newsgroup with classified ads or requests to haul off scrap or junk in salvage condition.

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2. Additional Posting Guidelines

2.1 Netiquette guidelines

Participants who are new to Usenet should familiarize themselves with the "netiquette" of Usenet as well as the particular posting guidelines for this group. Several useful posts for "newbies" can be found on the newsgroup news.announce.newusers or on the WWW at:

http://www.faqs.org/faqs/by-newsgroup/news/news.announce.newusers.html

Particularly helpful articles are:
Welcome to Usenet!
Rules for posting to Usenet
Hints on writing style for Usenet
A Primer on How to Work With the Usenet Community
Emily Postnews Answers Your Questions on Netiquette
Answers to Frequently Asked Questions about Usenet

Because rec.radio.amateur.moderated is a Usenet newsgroup, there are implied or derived guidelines for participation that are drawn from the above articles about overall Usenet culture and tradition. Two of these implied or derived guidelines are encapsulated in two basic rules that our moderation team uses to initially determine whether an article is appropriate for our newsgroup. They are restated explicitly here for clarification:

Basic Rule #1: The article must be on-topic for amateur radio. A rule-of-thumb that our moderation team applies is whether the article mentions amateur radio, ham radio, some synonym for amateur or ham radio, some technique or practice of amateur or ham radio including closely related technical topics such as antennas or portable power, or regulatory politics that directly affect amateur radio. This rule-of-thumb is also applied to determine if an article in a thread has drifted too far off-topic. For example, articles that have drifted into general rants or monologues will probably be returned with a polite request to rewrite to include a reasonable amateur radio connection or angle.

Basic Rule #2: The article must not have excessive spelling, grammar, or logical argument errors affecting readability and understandability. The moderation team understands that clear, understandable, technical or expository writing is a skill that can only be perfected through a lifetime of focused training and practice. Because the moderation team does not want to hold submitters to a standard higher than what it can achieve itself, nor disrupt the newsgroup and discourage submitters by playing spelling or grammar police, it will only return for rewrite any article that cannot be reasonably understood by multiple moderators.

If it is necessary to return any article for a rewrite because the moderators have determined that it does not meet Basic Rule #1 or #2, please accept this constructive feedback in the manner in which it is intended. The moderation team offers its assistance to help rewrite any submitted article into a form that preserves its original intent and

meaning, but is also on-topic, as well as readable and understandable by others.

2.2 Posting form requirements

Any article that falls into any of the following categories will be automatically rejected:

A) Articles that contain original text of more than 75 characters per line
B) Crossposted articles to newsgroups not included in these Guidelines
C) Articles that contain more than 400 lines
D) Encoded binary files (except PGP and other short digital signatures)
E) Attachments to posts
F) Articles containing obscene language
G) Articles from individuals who have been suspended or banned from the newsgroup

2.3 Guidelines on signature (.sig) files

Many people close each article they write with a few lines of common text. This may be a cute quip or quote, or may include information about their family, contact information, or disclaimers required by their employer, for example.

Signature files used on rec.radio.amateur.moderated posting must be no longer than 8 lines.

The content of a poster's signature need not be relevant to amateur radio, but it must not violate any of the other posting guidelines. (For example, name-calling that would not be acceptable in the body of a message is also unacceptable in a signature.) Posters may include Uniform Resource Locators (URL's) and business addresses in signature files, provided they comply with all the other guidelines regarding signatures.

2.4 Guidelines on excessive quoting

Posts more than 20 lines long that also have more than 75% quoted text will be carefully reviewed by a moderator to determine if that degree of quoting is warranted. Posts with excessive quoted text may be rejected.

Posters must show a reasonable effort to trim the post they are replying to and to include just enough material to establish context. "Me too!" posts are discouraged, and, when posted, must edit the quoted material significantly.

2.5 Guidelines on pointers to outside sources

Unsolicited announcements and pointers to web sites that are strictly advertisements or other public relations campaigns are not permitted. However, a pointer to a website or other external source of information

is permitted and encouraged in cases where it is relevant to an existing thread, with appropriate context being given in the post. A URL with no information about what a user should expect to find there will be rejected. A pointer to information that is off-charter for rec.radio.amateur.moderated will be rejected, as will a pointer which itself does not meet the rec.radio.amateur.moderated guidelines (such as a URL containing embedded name-calling).

Moderators are not responsible for verifying the contents of any external information source.

2.6 Guidelines regarding questioning someone's suitability hold an amateur radio license

Identifiable groups and individuals may not be asked/told/etc. not to obtain an amateur radio license, or to only obtain certain classes of amateur radio license. It is not permissible to make statements that a person or members of a specific group "should" not, or should not be allowed to, become an amateur radio operator.

Solicited advice of this type is permissible; however, posters must be careful not to explicitly generalize to others who are in some way "like" the poster asking the question. Stick to the individual asking for advice.

It is acceptable to discuss verified violations, documented in criminal convictions or other government enforcement actions, by a person or members of a specific group.

2.7 Guidelines regarding name-calling

Nastiness addressed at a person is considered name-calling. Criticizing a person's *actions* is not, provided that it is done in a civil manner.

Attacks on an action which by their very nature include an accusation against the person's character are not acceptable. For example, "That's a lie" implies an intentional prevarication, and is considered name-calling. Acceptable ways of questioning the truth of a poster's statement include the more tactful "I don't think that's true," "I believe you are mistaken because..." or even simply "That's not true." "That's not true and you know it" crosses back over into name-calling, however.

2.8 Guidelines regarding civility

By charter, posters are expected to maintain a civil tone in all their postings. The guidelines on name-calling cover part of that requirement, but not all of it.

In general, posters are expected to consider the reputations of other participants, and refrain from making unnecessary accusations or assumptions about the motivations of others. A good rule of thumb is to phrase your comments as your opinion -- "I think..." "It seems to me that..." "This makes me wonder whether..." etc...

Posters are expected to make factual claims, to debate topics openly and in good faith, and to accept honest criticism, all without provocation or prevarication. At least one professional organization, the Institute of Electrical and Electronics Engineers (IEEE), has recognized that such fair dealings are necessary components of ethical conduct, and has incorporated them into its Code of Ethics:

http://www.ieee.org/about/corporate/governance/p7-8.html

Though the Amateur Radio Service is not a professional endeavor, the moderators strongly feel that the IEEE Code of Ethics is also a worthwhile set of guiding principles for participants in the rec.radio.amateur.moderated newsgroup.

Posters are not required to support the American Radio Relay League (ARRL). However, they are expected to adhere to the spirit of the other parts of the ARRL's "Amateur's Code":

http://web.archive.org/web/20100131043828/http://www.arrl.org/acode.html

2.9 Guidelines regarding anonymity and pseudonyms |

Contributors to rec.radio.amateur.moderated are encouraged to use their | real names and/or amateur radio callsigns. This not only creates a | greater sense of community in the newsgroup, it also lends credibility | to posters' opinions. However, as a pragmatic concession to the | realities of the present-day Internet, and consistent with the practices | of other moderated newsgroups, pseudonyms and unroutable E-mail address | are permitted with some restrictions. |

We ask that the From: lines of submitted articles not misrepresent your | identity, not be changed often, and not match a user or domain name | other than your own (spoofing). Please also realize that if you use an | unroutable E-mail address, you will not be able to receive | acknowledgment or rejection messages for your submitted articles. |

2.10 Other unacceptable topics |

Participants are reminded that the charter also prohibits posts promoting or defending unlawful operating practices.

Posts may discuss whether operating practices are unlawful, or engage in reasoned debate over why certain operating practices should or should not be unlawful. Posts may discuss enforcement actions, such as by the Federal Communications Commission in the United States or similar government agencies in other countries, and evidence gathered by parties such as Official Observers in support of complaints about unlawful operation.

Discussions of what practices constitute unlawful operation in the Amateur Radio Service should be limited to *factual* descriptions of the laws in various jurisdictions. Posters' *opinions* as to what practices they consider unlawful are not permitted. In particular, posters are cautioned not to extrapolate their country's laws and regulations to those in other parts of the world, as they may be quite different.

Posts that entirely concern themselves with other radio services or hobbies, such as Citizen's Band, General Mobile Radio Service/Family Radio Service, and Scanner or Shortwave Listening, are considered off-topic to the rec.radio.amateur.moderated newsgroup. Newsgroups such as rec.radio.cb, rec.radio.scanner, and/or rec.radio.shortwave may be more appropriate venues for such posts.

Posts that attempt to publicly criticize moderators or moderation decisions in the newsgroup itself are also not permitted, as stated in our original newsgroup charter. Please direct any such critical feedback to our administrative contact address at the bottom of this article, where it will be carefully considered by an appeals team of moderators. This team is distinct from the initial team of moderators that approves or disapproves article submissions, and thus can provide independent oversight of moderation decisions.

Similarly, if you see an obviously inappropriate article in our newsgroup, please assume that it was a mistake or a direct forgery. The moderation team makes every effort to protect the newsgroup from such incidents, but they do happen, albeit rarely. You may also submit feedback to the same address regarding such articles in our newsgroup, but it is likely that our monitoring software and procedures have already detected it, and we are actively handling the problem. Please resist "piling on" with followups to the newsgroup when these incidents occur, so that we don't have to reject such articles.

Due to Usenet newsgroup access being eliminated at many ISP's, including MSN, AOL, RoadRunner, Time Warner, Verizon, Comcast, and Cox, we receive many article submissions asking about free or low-cost alternatives for accessing Usenet newsgroups such as ours. We initially permitted this topic in light of the significant impact to many of our readers due to this loss of access through their ISP's. However, this subject is arguably off-topic for our newsgroup, is better answered by other sources, and better discussed in other venues. Because of this, we will no longer approve submissions that request or suggest where to obtain access to Usenet newsgroups. For more information about this topic, please consult the following:

- The last approved thread of discussion about this topic on our newsgroup from October 2008:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/19770b88ec527aff/8dcee92de293f615?hl=en#8dcee92de293f615

- A list of News Service Providers maintained by the Big-8 Management Board:

http://www.big-8.org/wiki/News_Service_Providers |

- A list of Public News Servers at the Open Directory Project:

http://www.dmoz.org/Computers/Usenet/Public_News_Servers/

- An article with links and reader suggestions at Broadband Reports:

http://www.broadbandreports.com/shownews/96318

- Google Groups:

http://groups.google.com

The rec.radio.amateur.moderated Moderation Team does not endorse or recommend any particular News Service Provider (NSP). We encourage our readers to choose the free or subscription service that best meets their own personal needs based on their own evaluation of the available alternatives.

Please direct any comments, questions, or criticisms about this article to rec-radio-amateur-moderated-request@panix.com.

(Adapted, with permission, from the misc.kids.moderated Posting Guidelines.)

129. Amateur Radio Newsline(tm) Report 1857 - March 15 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-15 09:00:13 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130315090003.9CA8E33C43@panix2.panix.com>
Source record: 39
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1857 - March 15 2013

Please note that this is an extended newscast that runs 34 minutes 58 seconds from the tone. Mark (1 sec tone)

The following is a closed circuit and not necessarily for air. With a report on the current state of Amateur Radio Newsline's financial picture, heres our producer Bill Pasternak, WA6ITF:

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Thanks to a number of you who provide month to month contributions it's been quite a long time since I've been here to ask for widespread support for the Amateur Radio Newsline operations. And while we deeply appreciate our ongoing contributors, the income we derive from their generosity is simply not enough to see us through the long term. And that long term is very quickly sneaking up on us. Simply said, Amateur Radio Newsline needs widespread support right now if we are to stay in operation to bring you these weekly newscasts and only you our friends and listeners can provide it.

To that end, we try to make it as simple as possible to make your tax deductible donation to us. Simply go to our website at www.arnewsline.org and click on the Pay Pal button to make a donation electronically. Or, if you rather, you can send us a check at the address heard at the end of this week's newscast. Either way, the all volunteer team at Amateur Radio Newsline once again says thank you in advance for your ongoing generosity and your support.

Im Bill Pasternak, WA6ITF, and hers Jim Damron, N8TMW, with this week's newscast.

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Thanks Bill. Now, Amateur Radio Newsline report number 1856 with a release date of March 8 2013 to follow in 5-4-3-2-1.

The following is a QST. 2013 will see two Global Simulated Emergency Tests in April; France approves digital voice for its ham community; a review of Canada's ham radio examination questions is underway; comments on WRC 2015 close on March 22nd; Dayton announces Hamvention 2013 award winners and the legendary CBS World News Roundup turns 75. Find out the details are on Amateur Radio Newsline(tm) report number 1857 coming your way right now.

(Billboard Cart Here)

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RESCUE RADIO: TWO GLOBAL SIMULATED EMERGENCY TESTS IN APRIL

There will be two Global Simulated Emergency Tests taking place on the Saturdays either side of World Amateur Radio Day which is slated for Thursday April the 18th. Amateur Radio Newsline's Jim Meachen, ZL2BHF, has more:

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Greg Mossop, G0DUB, is the International Amateur Radio Union Region 1 Emergency Coordinator. He says the first Global Simulated Emergency Test will happen on Saturday April 13th will repeat the format of 2011 using 'local time' for each station. This will give a good chance of messages moving towards the regional Headquarters Stations to be delivered. The second Saturday, April the 20th, will see answers to those messages, starting from the Headquarters Stations and being sent back to the countries that originated them.

According to Jim Linton, VK3PC, the Global Simulated Emergency Test also known as GlobalSET is an opportunity to increase the common interest in emergency communications, create practices for international emergency communications and the relaying of messages. Linton who is the Chairman of the IARU Region 3 Disaster Communications Committee says that GlobalSET is open to all three IARU regions and will be held on or near the emergency Center of Activity frequencies on the 80, 40, 20, 17 and 15 meter bands. VK3PC adds that the full rules concerning this emergency training operating event are available to those who register through their IARU Regional Coordinator.

For the Amateur Radio Newsline, I'm Jim Meachen, ZL2BHF, down-under in Nelson, New Zealand.

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Again those dates are April 13th and 20th for the twin edition of thr 2013 Global Simulated Emergency Test. It will be followed June 25th to the 28th by the Global Amateur Radio Emergency Conference or GAREC 2013 in Zurich, Switzerland. (VK3PC)

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RESTRUCTURING: FRANCE APPROVES USE OF DIGITAL VOICE AND OTHER DIGI MODES

France has finally approved the use of digital modes by its ham radio community. According to word from Digital Radioamateurs of France president F1SHS, the new draft regulation was signed by the Minister on Wednesday, March 6th. Until now French radio amateurs had been banned from using digital modes including D-STAR and the like. F1SHS calls this great news for the French amateur radio community following a lot of work on the part of the organization. (F1SHS, Southgate)

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RESTRUCTURING: REVIEW OF CANADIAN AMATEUR RADIO EXAM QUESTIONS UNDERWAY

As a result of its response to a Request for Proposals from telecommunications regulator Industry Canada, Radio Amateurs of Canada has been awarded a $20,000 contract. This to review the questions used for examinations to qualify radio amateurs in that nation.

The actual work began back on January 28th with the final product will be delivered to Industry Canada on April 17th. More than 3000 questions are being reviewed. Of these 965 are in English and in French for the Basic qualification. Another 545 in English and in French for the Advanced qualification.

The objective of the review is to identify questions and answers no longer relevant as well as those requiring modifications to correct grammatical errors or improve clarity. The review should also lead to new questions on aspects of amateur radio that have changed in recent years.

The present work is the first comprehensive review of the Canadian question pool in more than a decade. While some current questions were revised in 2007 many questions date from much earlier. Radio Amateurs du Quebec Inc. is working with Radio Amateurs of Canada on the French language component of this question pool revision and overhaul. (RAC)

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INTERNATIONAL: LAST CHANCE TO FILE COMMENTS WITH FCC ON WRC 15

Comments are due March 22nd on FCC draft recommendations regarding issues to be considered at the 2015 World Radiocommunication Conference or WRC. These discussions generally involve international spectrum related agreements. You can read the current recommendations at tinyurl.com/fcc-wrc-15.

The commission is also seeking comment on National Telecommunications and Information Agency's draft proposals to WRC-15. The NTIA is the Executive Branch agency that is principally responsible for advising the President on telecommunications and information policy issues. You can read its proposals at tinyurl.com/ntia-wrc-15

The FCC says that public input will help the commission in its upcoming talks with the Department of State and the N-T-I-A in developing United States positions for WRC-15. It should be noted that the FCC's International Bureau is inclined to support most of the suggestions provided by the WRC-15 advisory committee. Filed comments should reference IB Docket No. 04-286. (FCC, RW)

**

RADIO LAW: MONTANA HAMS WIN EXEMPTION FROM DISTRACTED DRIVING LAW AND MORE

Hams in Montana now have both antenna height limit and protection from distracted driving laws. The ARRL reports that on February 28th Governor Steve Bullock signed House Bill 148 into law to provide protections to the states ham radio community.

Montana State Representative Pat Connell, WA7PDC, had submitted the bill titled Clarifying Local Government Authority to Regulate Amateur Radio Operations to the 2013 Montana legislative docket. The new law prohibits local governments from regulating licensed amateur radio operations from a motor vehicle. It also establishes a 100-foot height limit below which local jurisdictions may not regulate ham radio towers and antennas.

You can read more details on this good news for Montana hams on-line at the ARRL website using the shortcut tinyurl.com/Montana-Antenna-Win

And oh yes: We you aware that the Montana state fossil is Maiasaur also known as the Duck-billed Dinosaur? According to Wikipedia it is, and we thought you would like to know. (ARRL, ARNewsline(tm), Wikipedia Commons)

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BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KD8LWR repeater serving Dexter, Michigan

(5 sec pause here)

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BREAKING NEWS: HAMVENTION ANNOUNCES 2013 AWARD WINNERS

I'm Bill Pasternak, WA6ITF, with word that the Dayton Hamvention has announced this years winners of its famed Hamvention Awards. The news was made public on the March 13th edition of Ham Nation by past Hamvention General Chairman Michael Kalter, W8CI, with a well known ham from Germany garnering the top spot:

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W8CI: Our Amateur of the Year is Mustapha Landoulsi, DL1BDF. He was actually born in Tunisia and has set up six amateur radio stations in Tunisia and has brought them into the IARU. He's worked tirelessly to help Middle-Eastrern countries and African counties in amateur radio. He also sped uo and organized the delivery of emergency medical equipment and medicine to African and other third world countries, and he is so well known throughout the world that his work actually embodies what amateur radio is about. He tries to bring peoples together from different countries and his heart is one hundred percent into amateur radio.

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Recognized as this years Special Achievement Award recipient was George Thomas, W5JDX, of Ridgeland, Mississippi. For those few of you not aware, George the producer of the Internet TV show known as amateurlogic.tv. He also co-hosts Ham Nation with Bob Heil K9EID and Gordon West WB6NOA on TWiT TV. And he took the opportunity to thank those who have been working with him over the past few years:

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W5JDX: "You know I couldn't do this without my partners Tommy, Jimmy and Peter and of coarse Bob and Gordo."

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Sharing the 2013 Technical Achievement Award are Dave Whitten, KD0EAG and David Rowe, VK5DGR. They are being honored for their combined work in developing a free digital voice program that can encode high quality digital voice into a 1.25 kHz bandwidth for use on the High Frequency bands,

Rounding out this years winners is the West Palm Beach Amateur Radio Club in Florida. It was chosen for its ongoing outreach program to the local community that includes a 7 day a week manning of a ham radio at the South Florida Museum. Also noted was the clubs sponsorship of an ARISS contact that was made available live and in real time to a record 250,000 students across the state.

This years winners will receive their awards at Hamvention 2013 that runs from May 17th through the 19th at the Hara Arena the world ham radio capitol of Dayton Ohio. Its planners say that they hope to see you there.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the Newsroom in Los Angeles. (Hamvention&#65533;, Ham Nation)

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ENFORCEMENT: COCOA BEACH FLA HAM ISSUED $25000 NAL FOR INTERFERENCE TO PRISON COMMUNICATIONS

A Cocoa Florida ham has been hit with a $25,000 Notice of Apparent Liability for allegedly causing interference to the Brevard County Sheriff's Department. Amateur Radio Newsline's Norm Seeley, KI7UP, has the details:

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According to the March 1st Notice of Apparent Liability issued to Terry L. VanVolkenburg, the FCC says that it used radio direction finding to locate a signal interfering with communications at the Brevard County Sheriff's Department jail in Sharpes, Florida. The FCC says that VanVolkenburg, whom the agency notes holds an Amateur Service license and the call sign KC5RF was the source of the interference to the prison complex which is licensed to use 465.300 MHz for its communications.

By way of background, in September of 2012, the Enforcement Bureau's Tampa Office received a complaint of radio interference from the Sheriff's Department. According to the complaint, on at least 14 days during the months of September and October of 2012 that law enforcement agency experienced intermittent interference to its communications at the jail on 456.300 MHz. Audio recordings taken by the Sheriff's Department suggests that a male individual interfering with the prison's communications by transmitting vulgar language, sound effects, previously recorded prison communications, and threats to prison officials over the prison's radio communications system.

In response, on October 28th of 2012 agents from the Tampa Office used direction-finding and traced the source of the interference to a residence in Cocoa, Florida. The agents also recognized VanVolkenburg's voice as the one interfering with the prison's communications system.

Approximately two hours after locating the source of the transmissions, the agents inspected the radio stations in the VanVolkenburg residence. The FCC says that VanVolkenburg initially showed the agents an amateur radio station that was incapable of transmitting on 465.300 MHz. However when pressed buy the investigators he eventually produced an Alinco DJ-C5 portable radio transceiver that could operate on 465.300 MHz.

Initially VanVolkenburg did not specifically admit that he had interfered with the prison's communications system. But when asked about the transmissions on 465.300 MHz and the interference to the prison he stated that he chose 465.300 MHz because the prison's transmissions on that frequency were strong. Also that he was only using 300 milliwatts and did not think that he could talk over anyone and therefore wasn't interfering with anyone. At that point VanVolkenburg is also reported to have declared that the interference would not happen again.

But in issuing the proposed fine the FCC is essentially saying that it does not buy Van Volkenberg's defense. It sates that while VanVolkenburg holds an amateur license and the call sign KC5RF, that this license does not authorize him to operate on public safety frequencies.

The FCC says that the bottom line is that the evidence in this case is sufficient to establish that VanVolkenburg violated the FCC rules on 14 different days during September and October of 2012. As such he is eligible for the proposed $25,000 fine.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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VanVolkenburg was given the usual 30 days from to pay the proposed fine or to file an appeal. (FCC)

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ENFORCEMENT: FCC UPHOLDS $25000 FINE TO ALLGED MALL COMMUNICATIONS JAMMER

The FCC says that California resident Kevin Bondy will have to pay a $24,000 fine. Back in 2011 the commission issued a forfeiture order against Bondy for operating in the General Mobile Radio Service and unlawfully causing interference to licensed radio operations. He was also charged with refusing to allow the FCC to inspect his radio gear.

The commission said Bondy's radio equipment interfered with the two way radios used by The Oaks Shopping Center in Thousand Oaks, California. During its investigation FCC agents also found an unlicensed and unauthorized repeater transmitter in a secured radio communications facility on Oat Mountain in the Santa Susana Mountains. The transmissions effectively jammed Oaks' operations on two of its frequencies.

Now in its Memorandum Opinion and Order the FCC states that Bondy was supposed to file his appeal by July 6, 2011. While he did e-mail a copy to the local Enforcement Bureau, before that date the agency says there's no evidence Bondy sent a copy to the Commission Secretary as required by law. As far as the FCC is concerned this means that the appeal was not properly filed and the agency considers it as being procedurally defective.

In its release dismissing the appeal the FCC notes that Bondy raised no new arguments in the version that it did receive. Based on all the evidence before it the agency said as it decided to reaffirm and gave Bondy the customary 30 days from the February 15th release date of the Memorandum Opinion and Order to pay the amount in full. (FCC)

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BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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ENFORCEMENT: DRONE SEEN NEAR JFK INTERNATIONAL AIRPORT MAY HAVE BEEN A WAYWARD RADIO CONTROLLED MODEL PLANE

Federal officials say a small aircraft that reportedly looked like a drone and violated the airspace at John F. Kennedy International Airport in New York on March 4th was probably a radio controlled model aircraft sent aloft from Long Island that lost its way. Amateur Radio Newslines Steffan Kinford, N8WB, has more:

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Whatever the object was, the FBI and the Federal Aviation Administration issued an alert on Tuesday March 5th. One seeking the public's assistance in identifying the operator and the aircraft which a nearby pilot described as black in color, about 3 feet wide with four propellers.

The unidentified aircraft was spotted about 1:15 p.m. Eastern Time on Monday March 4th by the pilot of an Alitalia airliner as it approached runway 31 Right at JFK International. Because no flight plan was filed with the FAA for the mystery aircraft, authorities believe it probably was a radio remote controlled model sent aloft by a hobbyist. Officials speculate that the craft likely took off from somewhere along the south shore of Long Island had drifted off course when the operator lost radio contact with it. It then flew in the direction of JFK International on its own.

In his report to the control tower, the Alitalia pilot said that he had seen what appeared to be a drone aircraft. At the time of the sighting he said the aircraft had an altitude of about 1,500 feet and was about three miles from his plane. That would put it well above the 400 foot height restriction for radio controlled model aircraft and well within restricted airport airspace.

For the Amateur Radio Newsline, I'm Stephan Kinford, N8WB, a few hundred miles West of JFK International in Wadsworth, Ohio.

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Les Dorr is a spokesman for the Federal Aviation Administration. He says that regardless of whether someone is operating as a public agency or a person flying a model for recreational purposes, they always have to give way to any aircraft in the vicinity. In other words, you are not supposed to be flying anywhere near or over a major airport. (ThisWeek.com, HuffPost and other published news reports)

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HAM RADIO ON THE SCREEN: MODERN AMATEUR RADIO FROM CANADA

Modern Amateur Radio is the title of a new, bi-lingual video produced in Canada by Donald Boucher, VE2XT. Boucher put the show together in full wide screen High Definition and it includes some truly breathtaking aerial footage of the Canadian countryside.

VE2XT tells Newsline that he owns a video production company in Montreal and that he shot the video last year in his spare time. Posting of the video to Youtube was done by CQ Propagation Editor Thomas Hood, NW7US.

What makes Modern Amateur Radio unique is its international flavor. While the narration is in English most of the natural sound background conversations are in French. But you do not have to understand the French language to truly enjoy this Canadian look at our great hobby.

You can see it for yourself at tinyurl.com/modern-amateur-radio (ARNewsline(tm))

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HAM RADIO ON THE SCREEN: SPECIAL EVENT STATION 2O12L VIDEO NOW AVAILABLE

The organizers of 2O12L, the amateur radio special event station celebrating the London Olympic and Paralympic Games in the Summer of 2012 have now released a 45 minute DVD of the event. Produced by Fred Curtis G3SVK, the DVD goes behind the scenes of the event, telling the story of how those 69,644 QSOs were made possible. Details can be found at www.2o12l.com under the `News' link. (Southgate)

**

RADIO READING: CQ LAUNCHES ONLINE PHOTO GALLERY

CQ magazine has announced the launch of the online CQ Photo Gallery to supplement photos published in the magazine.

According to Editor Rich Moseson, W2VU, the magazine shoots photos at many events. It also receives many photos from readers that it does not have space to put in the magazine. But CQ still wants to share these with its readers and the new CQ Photo Gallery will allow it to do just that.

Moseson says that the new photo gallery is on the flickr.com web site and is organized into albums called sets. Initial sets include CQ cover images; the CQ Garage featuring ham radio license plates; news photos from the FCC's field hearing on communications lessons learned from Superstorm Sandy, and reader-submitted photos. New pictures will be added regularly.

The CQ Photo Gallery may be accessed at www.flickr.com/photos/cqphotogallery/sets but you can also reach it using the shortcut tinyurl.com/cq-photos-online. (CQ)

**

NAMES IN THE NEWS: M0VFC NAMED WINNER OF CASSADAY AWARD

Some names in the news. First up is Rob Chipperfield, M0VFC, who has been selected as the first recipient of the Cass award. This, in recognition of his DX operation from the remote South Atlantic island of Tristan Da Cunha as ZD9UQ in October of 2012. During his short four day operation Chipperfield worked 3,362 unique stations and there-by demonstrating an outstanding effort to log as many individuals as possible.

The Cass Award was created and named in memory of the late DXing legend Hugh Cassady, WA6AUD. It is meant to encourage DXpeditions to maximize the number of unique contacts made and comes with a $1,000 prize for

the single operator DXpedition that works the most unique callsigns within a four week period. More information about the award program is available at www.cassaward.com (GB2RS)

**

NAMES IN THE NEWS: RCA NAMES PATRICIA KOZIOL AS ITS EXECUTIVE SECRETARY

The Radio Club of America has appointed Patricia Koziol as its Executive Secretary effective February 25th. RCA President, Bruce R. McIntyre also announced the assignment of Ms. Koziol's firm, Peak Management Solutions for Associations, to manage the administrative and programmatic activities of the association. Patricia Koziol currently manages seven other trade associations and two national and regional trade events. (RCA)

**

NAMES IN THE NEWS: CBS WORLD NEWS ROUNDUP HIT 75

The legendary CBS Radio World News Roundup has turned 75.

The first broadcast took place on the evening of March 13, 1938. That's when legendary CBS radio newsman Robert Trout reported from New York that the Nazis were "driving with all their might to bring Austria under complete Nazi domination." Then, in what has become a historic moment in broadcast history Trout stopped talking so listeners could hear live reports from correspondents throughout Europe. One of these was Edward R. Murrow in Vienna, who went on to become another CBS broadcast legend.

Over the years, the CBS Radio World News Roundup has been there night after night, bringing all of us the news live and direct from the scene. And even in the age of instant reporting over the Internet and bloggers proliferating while spewing opinion as news, the CBS World News Roundup stands apart as one of the most accurate, concise and listened to news sources in the world. Its also a credit to those at C-BS who created it seven and a half decades ago.

Ironically, you can read the full story about this iconic radio news service on-line at tinyurl.com/cbs-news-at-75. And if we may be permitted to add our own tiny voice, we say happy 75th to this ongoing radio legend. (ARNewsline(tm) from published reports)

**

BREAK 3

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

HAM TECHNOLOGY: RFINDER - THE WORLD WIDE REPEATER DIRECTORY ADDS JAPANESE LANGUAGE

Yet another expension of RFinder and the World Wide Repeater Directory. Amateur Radio Newsline's Cheryl Lasek, K9BIK, reports:

--

RFinder has added the Japanese language to its operational ability. In their ongoing effort to make localized versions of RFinder available, the creators have announced the Android version of RFinder Version 3 and have also loaded the canonical list of analog and D-Star repeaters across Japan nation into the systems World Wide Repeater Directory.

To use it, just download RFinder from Google Play. If your device is using Japanese as it's language, RFinder will automatically load in Japanese.

RFinder is already available in English, Spanish and French. Italian, German and Portuguese are in development and are said to be next.

The World Wide Repeater Directory database is the first repeater directory covering the world of amateur radio on Android, iPhone and RT Systems Software. It also works with CHIRP, the World Wide Web and can loaded into Points of Interest on most GPS's. This makes it of special interest especially to the globe-trotting ham,

For the Amateur Radio Newswline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

So far 178 countries are included in the World Wide Repeater Directory. More information about RFinder and the database system is on the web at www.rfinder.net/blog/ (W2CYK)

**

HAM RADIO IN SPACE: USAF APPROVES AMSAT REQUEST FOR REDISTRIBUTION OF KEPS

The Keps will keep on coming. So says AMSAT North America after a deal was reached between the Amateur Radio Space Agency and the Air Force Space Command that will permit AMSAT to continue to re-distribute Keplerian elements from the latter's SpaceTrack service.

Keplerian elements. sometimes called by the acronym Keps are the basis for all satellite tracking. According to AMSAT's Orbital Data Manager Ray Hoad, WA5QGD, the re-distribution agreement was approved on March 7 for the period April 1, 2013 to April 1, 2014. (ANS)

**

RADIOSPORTS: ALASKA QSO PARTY MACH 23 - 24

>From the radiosports file, remember to mark down March 23rd as the date of the 2013 Alaska QSO party. The event runs from 18:00 UTC and continues to 23:59 UTC on the 24th. This is an H-F only contest on 160, 80, 40, 20 and 10 meters using CW, SSB, PSK31 and RTTY. A similar event for the VHF bands will be held July 15th through the 16th with the same hours. More information on both QSO party's is on line at kl7yk.us/akqso.htm. (KL7YK)

**

ON THE AIR: MOMO ON THE AIR CELEBRATIONS IN JAPAN

On the air, 8N1MOMO is a special callsign celebrating both the 37th Momo Peach Blossom Festival and the 20th Fire Baloon Contest in the Ibaraki prefecture on Honshu Island. Honshu is Japan's largest island and the station will be operational until April 5th. QSL only via the JA bureau. (DX News)

**

ON THE AIR: CELEBRATING THE RESTORATION OF GREY POINT FORT IRELAND

And a group of hams who are working to restore Grey Point Fort will be operating a special event stations from 1700 UTC on May 31st to 1700 UTC on June 2nd. Grey Point Fort is a World War One Coastal Defense Fort located in Helens Bay, Northern Ireland. The special event operation will be using three yet to be announced special event call signs. More information will be posted on-line at tinyurl.com/greypoint-2013 or by e-mail to greypointfort (at) hotmail (dot) co (dot) uk. (GI4RNP)

**

In DX, word that JQ2WTT and JE1XUZ who are KH0XH and KH0XW respectively will be active from Saipan, in the Northern Mariana Islands through April 1st. Both are university undergraduates. QSL via each operator's home callsign either direct or via the J-A Bureau.

An international team of seven operators are currently on the air from the Solomon Islands signing H44G. Several stations will be operating simultaneously on various bands between 160 through 6 meters using CW und SSB, RTTY, PSK31 and SSTV. It all comes to an end on March 25th. QSLs go via DL7DF

GM3WOJ and GM4YXI will be active from Cocos Keeling Island from March 30th through April 13th using the new callsign of VK9CZ. They plan to be on SSB and CW, with some RTTY and hope to have a real-time logging system and daily Logbook of the World updates. More updates on this operation will be found on-line at www.vk9cz.com

Lastly, a group of Italian operators along with members of the Associationdes Radio Amateurs Tunisiens and the Engineering University of Gabes are planning a DXpedition to Djerba Island using the call

TS8TI between April 29th and May 6th. Operation will be on all HF bands plus 6 meters using CW, SSB, RTTY and several digital modes. More information on this operation is on-line at www.qrz.com/db/TS8TI

(Above from various DX News Sources)

**

THAT FINAL ITEM: SPACE UPDATE: MORE ON US PRIVATE MISSION TO MARS

And finally this week, a follow up to our story of a few weeks ago concerning a privately funded United States mission to the planet Mars. Now its been revealed that it wont be to Mars, but rather a sightseeing round trip around the red planet. Amateur Radio Newsline's Skeeter Nash, N5ASH, has the details:

--

According to news reports, a team led by millionaire and former space tourist Dennis Tito plans to send what it calls a tested couple to Mars and back in a privately funded mission. The Inspiration Mars Foundation plans to start its one-and-a-half-year mission in January 2018 providing that it can raise funding for the mission.

The foundation has carried out a study which it says shows that it is feasible to achieve such a mission using existing technology. Among those involved in the project is Jane Poynter, who spent two years locked away in a sealed ecosystem with seven other people in 1991.

Mission planners wanted the crew to consist of an older couple whose relationship would be able to withstand the stress of living in a confined environment for two years.

I'm Skeeter Nash, N5ASH.

--

More on this story is on-line at tinyurl.com/mars-round-trip.
(Published news reports)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Damron, N8TMW, in Charleston, West Virginia, saying 73 and we thank you

for listening.

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130. April 2013 QST Digital Edition

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-15 18:21:24 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130315134415.3E9ED27DBBB@bmail.arrl.org>
Source record: 40
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

April 2013 /QST/ Digital Edition - Now Available
<http://www.nxtbook.com/nxtbooks/arrl/qst_201302/>
**
<http://www.nxtbook.com/nxtbooks/arrl/qst_201302/>
Go to this link and start reading: April 2013 /QST/
<http://www.nxtbook.com/nxtbooks/arrl/qst_201304/>.

* Celebrating 75 years of W1AW in this issue!*

* Try modulated CW on 2 Meter FM.
* Add an audible readout to your SWR meter.
* Build a "towerless" Yagi antenna.
* ...plus, two items in this issue pay homage to the /QST/ April Fools' tradition. Can you find them?

* Enjoy Content You Won't Find in the Print Edition*

* Watch a video overview of the new Yaesu FT DX 3000 HF and 6 Meter transceiver.
* Listen to the sound of HF digital voice created by the new FreeDV software.

Every issue of /QST/ is filled with the news and features you need to keep active in Amateur Radio. Enjoy this issue!

December 2012 QST - Digital Edition
<http://www.nxtbook.com/nxtbooks/arrl/qst_201304/>

Apple App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>
Download the */QST/ App* for Apple mobile device users. The app is free in Apple's App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>. Users with Android devices should use the enhanced web version <http://www.nxtbook.com/nxtbooks/arrl/qst_201304/> of /QST/ which is optimized to automatically recognize Android phones, tablets and e-book readers.

What is a digital edition?
The digital edition of /QST/ is an electronic form of the journal. All ARRL members have access to the digital edition of /QST/...a way to read and interact with the current issue of /QST/ anytime, anywhere. Each issue includes unique, digital-edition-only content such as video, audio features and extra content. Members can also access the digital archive for access to previous issues.

How do I access the digital edition?
/QST/ can be read online or downloaded onto some devices. Members must have a valid ARRL website login to access this benefit. You can always find a link to the current digital edition and archives at www.arrl.org/qst <http://www.arrl.org/qst>. Apple iOS device users (iPhone, iPad and iPod touch) can also access the digital edition from a dedicated QST app. The app is free in Apple's App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>.
To login or register, go to www.arrl.org/myarrl <http://www.arrl.org/myarrl>.
Forgot password? Go to www.arrl.org/forgot-password <http://www.arrl.org/forgot-password> to reset your password.
Not a member? Join today <http://www.arrl.org/join/QDF> and get access to the current digital edition, now.
Need help? Visit the digital edition help page <http://www.arrl.org/digital-qst-faq> for frequently asked questions.
Need more help? Contact Member Services by telephone 860-594-0200 or 888-277-5289 (US only) or email circulation@arrl.org <mailto:circulation@arrl.org>.

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ARRL logo
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225 Main Street, Newington, CT 06111-1494 USA
www.arrl.org <http://www.arrl.org>

131. Re: Novice Reflections

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-16 01:19:53 UTC
From: n3licoslo@gmail.com
Message-ID: <2115b847-e6e0-4cee-8810-54e24d1eab83@googlegroups.com>
Source record: 41

On Thursday, March 14, 2013 4:28:06 PM UTC-4, Dick Grady AC7EL wrote:
> On Wed, 13 Mar 2013 18:09:26 EDT, "Howard Lester"
>
> <howardxtlester@verizon.net> wrote:
>
>
> >My recollection (not to be trusted) is that four *elevated* 1/4 wave radials
> >work well.
>
> 2-meter vertical antennas intended for use on the top of masts use
> only 3 radials, and they work well. Four elevated radials also should
> work.

Elevated tuned radials do work. If you are using a multiband vertical, it can make the yard look
a little funny though. My vertical is 6 bands, so I opted for buried radials, and given that the
antenna was not too far from a corner of the yard, they were really random in length. Some over a hundred feet, some only around 20.

This probably meant that the antenna wasn't quite as efficient in a few directions as others.

Overall it worked pretty well.

132. FCC Daily Digest 03/18/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-18 16:48:21 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-526843-2013.03.18-12.11.31--rec-radio-info#panix.com@info.fcc.gov>
Source record: 42
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)
Daily Digest

Vol. 32 No. 51 March 18, 2
013

[...]

Released: 03/15/2013. GUIDANCE ON OBTAINING LICENSES FOR SMALL SATELLITE
S. (DA No. 13-445). OET . Contact: Joseph Hill at (202) 418-2215, email:
Joseph.Hill@fcc.gov or Walter Johnston at (202) 418-0807, email: Walter.Jo
hnston@fcc.gov http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-445A
1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-445A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-445A1.txt

[...]

133. 30 Years Ago: FCC Docket 83-28 (no code) excerpts

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-18 17:16:07 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <51471fd5$0$71852$540ea2cf@novia.net>
Source record: 43
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: karn <utzoo!decvax!harpo!eagle!karn>
>Subject: Docket 83-28 (no code) excerpts
>Newsgroups: net.ham-radio
>Date: Mon Mar 14 21:49:23 1983

I have received a copy of the FCC's NRPM on the no-code license,
reprinted in the March 1983 issue of the AMRAD newsletter.
Unfortunately, I cannot determine for sure from the reprint the date of
the Federal Register in which this NPRM was printed. While the whole
thing is much too long for me to type in here, I would like to quote a
few sections. These all come from the later sections marked
"Discussion" and "Conclusion".
73,
Phil
- ----------------------
"Essentially, we will be considering the authorization of the same
frequencies for whichever codeless license we may implement. There are,
then, only two principle differences between our proposed codeless
Technician class and Experimenter class operator licenses. These are
the subject and level of the written examination to be administered to
the applicant, and the total number of operator license classes to be
provided for in the Amateur Radio Service....

"...we must point out that the Technician class license proposal has an
advantage over the Experimenter class license proposal. Implementation
of the Experimenter class license may require the Commission to develop
a new syllabus and provide, by some means, for the preparation and
administration of new examinations... We would be remiss if we did not
consider these administrative burdens in weighing the respective
desirability of the two license classes proposed. Accordingly, we
request that this matter be addressed in the context of comments on this
proceeding. Finally, the Commission does not wish to de-emphasize the

importance of the international Morse code as a communications mode in the Amateur Radio Service...it is precisely these attributes [the universality and efficiency of CW] that make us believe that Morse code can 'stand on its own two feet.' We believe that once an individual has had an opportunity to become involved in the Amateur Radio Service and become acquainted with its many intricate facets, there is a desire to learn more about radio and the offerings of the service. We anticipate that in the case of the codeless class licenses these new interests may include the international Morse code, just as we anticipate with all other licenses...

"Beyond station identification and use in certain weak signal communications modes, we note that the Morse code is seldom used on frequencies above 50 Mhz, even though all amateur operators are currently required to demonstrate their proficiency in it prior to licensing. We then ask why the Federal Government should continue to require of operators a skill which may have less utility than other skills in these bands for which the license would be granted to operate. We do not, for example, require applicants to demonstrate proficiency with a typewriter even though radioteleprinting may be the most efficient mode for certain 'traffic' handling. We believe that a more important qualification for an operator license is an individuals ability to understand the Commission's regulations and the radio station for which he/she is responsible. Other than this, we would leave to the individual the decision as to whether learning the Morse code would benefit his/her endeavors in amateur radio.

"...It has also come to our attention that some of the current amateur licensees are particularly concerned that even if a codeless license class were to convey privileges only in the VHF bands and higher, that those privileges might include certain well populated bands (e.g., the popular 2 meter band). With respect to this, we wouldlike to reemphasize that we plan to be flexible on the issue of frequencies that would be authorized for the codeless license class (in particular the Experimenter class, since we are not considering changes in the privileges for Technician class licensees). We will carefully consider the comments of both amateurs and non-amateurs on this issue and make appropriate adjustments in the frequency bands eventually authorized."

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlFHH3YACgkQ6Pj0az779o4y3ACgkurc4SOYx76lMrZppfxZnNkl
P6wAnjJisI1PuN6PiYURdlXneD/8sz0s
=Oe7R
-----END PGP SIGNATURE-----

134. Dayton Awards

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-18 17:23:03 UTC
From: John Davis <wa8yxm@gmail.invalid.com>
Message-ID: <ki7idv$l17$1@dont-email.me>
Source record: 44

When the nomination period for Dayton Hamvention awards was announced I filled out a nomination form for George Thomas of Amateurlogic.tv (Also of twit.tv/hn) citing his show, and part in the other show, as advancing ham radio..> Dang if he did not get the award.
--
Nothing adds Excitement like something that is none of your business.
Remove the invalid part to email me.

135. ARRL Legislative Update Newsletter - March 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-19 21:06:19 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130319171605.0DB8326DC2A@bmail.arrl.org>
Source record: 45
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

Dear Subscriber:

Please find attached the new edition of the ARRL's "Legislative Update"
Newsletter.

Thanks for your interest and 73

Dan Henderson, N1ND
Regulatory Information Manager
ARRL, the national association for Amateur Radio
860-594-0236
dhenderson@arrl.org

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Legislative Update Issue # 5
March 15, 2013
ARRL - 225 Main Street Newington, CT 06111
Edited by Dan Henderson, N1ND, ARRL Regulatory Information Manager

ARRL Board Of Directors Sets League Legislative Objectives for the 113th Congress

On January 18, 2013 at its annual meeting, the ARRL Board of Directors
unanimously confirmed its priorities for the organization as it deals
with the new Congress.

"As you know, every two years a new Congress is elected," says ARRL
Regulatory Information Manager Dan Henderson, N1ND. "When a new
Congress begins its work, all previously introduced or pending
legislation is dead. A member of the new Congress may reintroduce a
bill from the previous Congress into the new two-year session. When
that happens, it starts the process all over from scratch. That new
bill is assigned a new number and the process of securing members of
the House and Senate to signon as co- sponsors begins anew. So every
two years, when the legislative cycle begins anew, the ARRL Board
reviews its policy goals for legislative action," he continued.

The ARRL was successful in achieving its goal to have Congress direct
the FCC to study the impact of private land-use regulations on Amateur
Radio's ability to provide support for disaster communications and
homeland security. Those provisions were included in the Middle Class
Tax Relief and Job Creation Act of 2012. After receiving input from
hundreds of sources, either directly or from almost 900 comments

received or assembled by the ARRL from its membership, the FCC released its report to Congress in August 2012.

"There were many positive things included in the FCC report to Congress," said Henderson. "We were pleased that the Commission highlighted the existing Amateur Radio infrastructure to provide disaster and time-critical communications. They also recognized the flexibility of the Amateur Service in working with federal, state, local and tribal emergency service agencies to supplement existing communications. The affirmation of the value that Amateur Radio brings to the communities across the country is underscored by the suggestion that `DHS work with state, local, and tribal authorities so they may develop disaster area access or credentialing policies for trained amateur operators, including a means for documenting their qualifications...'"

While the FCC did hold Amateur Radio in a positive light in its discussion of emergency Amateur Radio Service communications, the FCC report was not as favorable in the portion of the study that addressed impediments to enhanced Amateur Radio Service communications. In the comments provided to the FCC, the ARRL -- as well as numerous individuals -- cited the proliferation of specific land-use restrictions, such as deed restrictions and homeowner's association covenants, which prohibit the erection of even modest Amateur Radio antennas. The FCC concluded that such restrictions did not present a serious impediment. The conclusions by the FCC were disappointing to the ARRL, but not entirely unexpected. "The FCC has indicated that unless directed to do so by Congress, that they are not inclined to extend the provisions afforded Amateurs by PRB-1 when dealing with municipal ordinances or along the lines of what are called the OTARD limited protection, which allow individuals in deed restricted properties to legally have "over-the-air reception devices" such as satellite dishes.

"The Board's Legislative Objectives for the 113th Congress continue to seek action by Congress to direct the FCC to extend reasonable accommodate to private land-use restrictions, such as HOA covenants and deed restrictions," said Henderson. "We all know Rome wasn't built in a day, but the League remains committed to finding a means to extend the PRB-1 type reasonable accommodation provisions that apply to cities and towns to cover CC&Rs"

Beyond the CC&R relief issue, the ARRL continues to promote protection of the current Amateur Radio spectrum allocations and will seek protection from encroachment on that spectrum from what could be called "spectrum-pollution" devices. The League also will continue to oppose "distracted driver" legislation that does not accommodate normal Amateur Radio mobile operations.

The full text of the ARRL Board's Legislative Objectives statement reads:

"The ability of the Amateur Radio Service to maintain and expand its benefits to the public rests on two key elements of public policy: adequate access to the radio spectrum and the ability to install and operate effective Amateur Radio stations.

To implement these two key elements of public policy in the 113th Congress, the following legislative positions were developed and approved by the ARRL Board to guide the efforts of ARRL volunteers and staff during the 113th Congress of the United States (2013- 2014).

To seek legislation instructing the FCC to extend the requirement for "reasonable accommodation" of Amateur Radio station antennas -- a requirement that now applies to state and local regulations -- to all forms of land use regulation.

To oppose legislation that would lead to the reallocation of amateur spectrum or to sharing arrangements that reduce the utility of existing allocations.

To oppose legislation that diminishes the rights of federal licensees in favor of unlicensed emitters or encourages the deployment of spectrum-polluting technologies.

To seek recognition of the unique resources, capabilities and expertise of the Amateur Radio Service in any legislation that addresses communications issues that are related to emergencies, disasters or homeland security.

To support the complementary legislative objectives of other radio communication services -- particularly the public safety and scientific services -- that require spectrum access and protection from interference for non-commercial purposes that benefit the public.

To oppose "distracted driving" legislation that does not clearly exempt two-way mobile radio transmitters or receivers used by FCC-licensed radio amateurs.

To support legislation authorizing FCC Commissioners to appoint an electrical engineer or computer scientist as an additional member of their staffs to ensure that Commissioners have adequate access to technical expertise when making decisions"

How to Obtain Contact Information for Your Members of Congress

The ARRL Website allows League members to obtain the contact information for their representative in the US House and both members of the US Senate. After you log-on to the ARRL Website with your user ID (call sign), go to:

http://www.arrl.org/contacting-your-congressional-representatives

This page will display the Washington addresses and phone numbers for your elected Congressperson and Senators. Each Member of Congress also has a website, where additional contact information is located, including addresses and phone numbers for their various offices back home in their state or district. You can find individual websites for members of the US Senate by clicking on the link in the upper left hand corner of http://www.senate.gov/ To find the website for your member of the House of Representatives visit http://www.house.gov/ and type in your zip code in the search box near the top.

2
Legislative Update Issue # 5
March 15, 2013 page three

A Message from ARRL President Kay Craigie, N3KN

Dear Fellow Amateurs,

The ARRL will soon take the next step in its legislative effort to make Amateur Radio operation possible for people whose homes are subject to covenants, conditions, and restrictions (CC&Rs). Success will not be easy. There will be significant opposition.

Our opponents' usual arguments are based on beliefs and assumptions rather than facts. Nevertheless, their arguments may be convincing to lawmakers unless we, the Amateur community, make our advocacy even more persuasive than theirs. In the past, we have emphasized writing letters to Senators and members of Congress, and we will be encouraging you to do that again when the time is right. However, I would also like to urge you to visit your lawmakers' offices and create personal relationships. Explain to them exactly how and why Amateur Radio operation is good for your state and your Congressional district.

How are you going to do that? How do you get through to someone who may never have heard of Amateur Radio? How do you re- educate a person who thinks Amateur Radio is something that went out with the Eisenhower administration? How do you advocate for a modern technical avocation to someone who may know zip about modern technology?

I can tell you how not to do it. I once heard a ham give a talk to an audience of non-technical people which started with a lengthy discussion of the electromagnetic spectrum and the ionosphere, went on to describe in detail the FCC and the licensing system, and by that time most of the audience was asleep, reading a book or looking as if they would rather be eating broken glass. The speaker, who meant well, had absolutely no understanding of the audience. In presenting Amateur Radio, it is all about our audience. If we do not "get" them, they will not "get" us.

When I was a volunteer at a ham radio station in a science museum, I learned that I had maybe one minute to capture visitors' attention otherwise they would wander away. My first sentence had to be so interesting that they would stay put and listen to the second sentence

and the third, and so on. I had to figure out what to say to my audience in a single breath that would pro-actively answer their questions, "So what? What do I care?" and make them want to know more about Amateur Radio.

A similar approach might work in beginning the relationship with your lawmaker, your audience. How do you get the person's attention right off the bat? What information will make this person unable to respond to your message with (probably unspoken) "So what?" What facts, what stories will show the local value of Amateur Radio in good plain English no emergency communications jargon, no technical-speak so that the person cannot possibly be thinking "What do I care?"

As advocates for Amateur Radio to people in positions of power and authority, we always have to consider our audience and what will be persuasive to them. In our letter-writing and in-person contacts with lawmakers, let us pair our passion for Amateur Radio with fine-tuned communication skills to create arguments that will convince and prevail.

73,

Kay Craigie, N3KN
President, ARRL

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Legislative Update Issue # 5
March 15, 2013 page four

Some Realities and Tips About Connecting With Your Legislator

Elected officials are "counters" they evaluate the feelings of their constituents by "counting" the number of responses they receive either for or against an issue. They also realize that a constituent who is concerned enough about an issue to comment either pro or con is more likely to be an active voter.

There are multiple ways to deliver your message to your legislator. In order of effectiveness, they are: a) personal visit with the legislator or their staff; b) personal, non-form letter; c) personalized form letter; d) telephone call to their office; e) e-mail and f) signing a petition. The more "face time" you have with the legislator or their staff on an issue, the more effectively your message is delivered. A general rule of thumb would be "the easier it is for you to make contact (such as a petition), the less significant impact the contact generally has."

Because of time constraints, it is not always possible for individual constituent to have lengthy meetings with elected officials. That is why it is important to build relationships with key members of their staff. Do not expect access to the elected official if you simply drop by without an appointment. If you really want to present your position personally, call and ask for an appointment. You may not get a meeting

with the legislator, but you will usually be able to have some time with one of their staff members. They understand constituent service is a good way to gauge support on issues but also promotes goodwill for the elected official.

Remember you do not have to go to Washington to meet the legislator or their staff. Arrange to have your meeting back home in their district offices a strategy which works just as well.

While many elected officials include easy methods of emailing them or sending messages to them on their official websites with web- based contact forms, recognize that e-mails are almost on the bottom rung of the "value ladder." If all you want is to be "counted" for or against an issue, they are fine. If you want to maximize the impact of your message, choose a different method of conveying your thoughts. Finally, keep in mind a petition is the least effective "rung on the ladder."

If a legislator intends to support an issue, they (or their staff member) will tell you so very quickly. However, if you receive a response along the lines of "We appreciate your thoughts. This is a complex issue which we will pay close attention to" you have a tougher sell-job ahead. If you receive that kind of response, be polite and consider a reply in the vein of "We appreciate that the Senator has to make tough decisions, which is why we want to ensure she (or he) has a full understanding of all sides of the issue. The grass roots perspective should help the Senator make the best decision based upon all the facts."

Some Do's and Don't

Always thank the elected official or staffer for their "consideration," if not support of your position.

Be gracious and friendly with your contact including the receptionist.

Always thank the person assisting you - both verbally and by following up in writing after a meeting or phone call.

Legislators deal with professional lobbyists each day. Presenting yourself as an informed, courteous constituent makes an impression. Demeanor and appearance matter! Be yourself no fancy airs or pretentious frills. In addition, do not walk into a meeting like a "portable command post" with radios on your belt, and call sign badges pinned to your clothes.

Never threaten or lie to a legislator or staffer. Never guess at or exaggerate facts. If you are not sure, promise them to get an full and accurate answer to their question - then deliver on your promise!

Never fail to provide requested backup.

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Key Committee Assignments 113th Congress

House Energy and Commerce

Subcommittee on Communications
and Technology Senate Commerce, Science, and Transportation

Subcommittee on Communications, Technology, and
Greg Walden OR 2 (Chairman) the Internet
Robert E. Latta OH 5 (Vice-Chairman)
John Shimkus IL - 15
Lee Terry NE - 2 Mark L. Pryor AR (Chairman)
Mike Rogers MI - 8 Barbara Boxer CA
Marsha W. Blackburn TN - 7 Bill Nelson FL
Steve J. Scalise LA - 1 Maria Cantwell WA
Leonard Lance NJ - 7 Frank Lautenberg NJ
Steven Brett Guthrie KY - 2 Claire McCaskill MO
Cory Gardner CO -4 Amy Klobuchar MN
Mike Pompeo KS -4 Mark Warner VA
Adam Kinzinger IL - 16 Mark Begich AK
Billy Long MO - 7 Richard Blumenthal CT
Renee Ellmers NC - 2 Brian Schatz HI
Joe Barton TX - 6 William M. Cowan MA
Fred Upton MI 6 (ex officio) John Rockefeller IV WV (exofficio)

Anna G. Eshoo CA 18 (Ranking Member)
Edward J. Markey MA - 5
Michael F. Doyle Jr. PA - 14
Doris Okada Matsui CA - 6 Roger F. Wicker MS (Ranking Member)
Bruce L. Braley IA - 1 Roy Blunt MO
Peter F. Welch VT - 1 Marco Rubio FL
Ben Ray Lujan Jr. NM - 3 Kelly Ayotte NH
John D. Dingell MI - 12 Dean Heller NV
Frank Pallone Jr. NJ - 6 Dan Coats IN
Bobby L. Rush IL - 1 Tim Scott SC
Diana DeGette CO - 1 Ted Cruz TX
Jim Matheson UT - 4 Deb Fischer NE
Henry A. Waxman CA 33 (ex officio) Ron Johnson WI
John Thune SD (exoffico)

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Legislative Update Issue # 5
March 15, 2013 page six

Meeting With Your Elected Officials -
Some pointers from John Chwat, ARRL's Washington Consultant

Personal meetings are the best way to get to know and communicate effectively with your elected officials. Keep in mind, face-to- face meetings are not easy to arrange, as lawmakers and their staffs have a busy schedule. But don't let that scare you off - it is easier than you think! Legislators will often meet their constituents locally but it is also very effective to bring your message directly to Washington, D.C.

A visit with your elected officials or his/her staff is an excellent opportunity for you to express your opinion to the people who make decisions that could affect your business and livelihood. The first rule, make sure you ask for a meeting as far in advance as possible!

Here are some more tips for planning an effective meeting.

1. What can your elected official help you with?

There are plenty of things an elected official can do for you. Some common things include:

Introducing and cosponsoring legislation that impacts you or your industry;

They can sponsor or sign a "Dear Colleague" letter to other elected officials in support of your specific issue;

Lawmakers can vote on a bill or amendment that you are interested in;

Send letters to state and federal agencies in support of your position.

2. Alternative meeting

You can build a relationship with a lawmaker through other means such as:

Attend town hall meetings that they sponsor.

Invite them to your business for a tour.

Invite them to attend business events and make regular contact.

Attend a social event , fundraiser or speaking engagement.

3. Know you legislator

Before meeting with your lawmaker, invest some time in learning about their background, positions on key issues (specifically what you are interested in) and current priorities. This will help build and effective communication strategy.

4. Know your issue

Before you call to set up an appointment, know what issue you are going to address and decide what you would like to get out of the visit (ie: a commitment to vote for your issue). Be prepared to state your issue and your purpose for the meeting clearly and succinctly.

5. Attending the meeting

Allow enough time for small talk at the outset of the meeting, but not too much. Remember, it is your visit!

Be professional in appearance and in your delivery.

BE ON TIME, but be flexible. Make sure you arrive at least 10 minutes early. If your meeting is scheduled for 30 minutes and you show up 15 minutes late, that cuts your meeting time in half!

Don't stay too long. Your meeting should last 15-30 minutes. Try to present your issue in the first 10 minutes.

Stay away from "industry lingo." Lawmakers and staff deal with multiple issues each day and each has its own language.

Leave behind informational packets on the issue.

Follow-up is important. Be sure to send a thank you note after the visit. If commitments were made in the meeting, repeat your understanding of them.

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136. IARU E-Letter, March 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-19 21:26:30 UTC
From: IARU <memberlist@www.arrl.org>
Message-ID: <20130319212440.4047F33C8E@panix2.panix.com>
Source record: 46
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

IARU E-LETTER
The International Amateur Radio Union
IARU Electronic Newsletter
1 March 2013

In this Issue:

World Amateur Radio Day 2013

IARU Michael J. Owen VK3KI Award

UK Amateurs Gain Increased Access to 5 MHz

World Amateur Radio Day 2013

Each year the IARU Administrative Council selects a theme for World Amateur Radio Day (WARD) for the following year. WARD takes place each year on April 18. At the November, 2012 Administrative Council meeting the AC adopted the following proposal: "The theme 'Amateur Radio: Entering Its Second Century of Disaster Communications' was adopted for the next World Amateur Radio Day, April 18, 2013."

The selected theme for 2013 is a excellent opportunity for amateur radio emergency communications or disaster communications groups to take advantage of the WARD to highlight the role amateur radio plays in disaster communications and disaster response. IARU member-societies could arrange amateur radio demonstrations in public places such as parks or shopping areas. Prepared handouts could explain the benefits of amateur radio in times of emergency or disaster. A ham radio demonstration in public areas usually generates inquiries and questions from the public about amateur radio and it also provides a great opportunity to attract new ham radio operators. If you plan on such a demonstration, don't forget to include some young people from your society so that young people who happen by the demonstration can see that amateur radio activity can be enjoyed by people of all ages.

In 2013, April 18 is a weekday. However, that doesn't prevent the public activity from taking place on the weekend before or after April 18. The idea is to gain as much exposure and publicity for amateur radio as possible. Emergency communications groups might also combine a public demonstration for WARD with a simulated emergency test (SET).

WARD also provides an opportunity for amateurs to give presentations about ham radio to such groups as civic organizations, charitable groups, etc. For example, Rotary Clubs and Lions Clubs are only two of many worldwide organizations who have weekly meetings and these organizations are always looking for interesting and informative programs to present to their membership. There are very few experienced hams who can't talk for 15 or 20 minutes about ham radio in a positive fashion. Don't make the talk too technical. Stress the fun aspects of ham radio and the opportunity to assist in times of disaster. Keep the presentation to about 20 minutes to allow time for questions.

The fact that World Amateur Radio Day only happens one day each year shouldn't prevent IARU member-societies from promoting ham radio all during the year of course. Some member-society officials have expressed concern about a decrease in the number of new amateurs entering ham radio in their country. Upon further examination and discussion, it turns out there are many activities that societies could be involved in to increase public exposure to amateur radio but many are not taking advantage of those opportunities. WARD provides an opportunity to get out and make the effort to show the public what ham radio is about.

And, if your member-society is involved in promoting amateur radio on a regular basis and it has been a success, let me know. I will publicize the activity in this newsletter so that other member-societies can benefit from activities that have attracted people to amateur radio.

IARU Michael J. Owen VK3KI Award

The IARU Administrative Council created the IARU Michael J. Owen VK3KI Award in November, 2012. The Administrative Council Summary Record states: "10.13. The AC created the IARU Michael J. Owen VK3KI Award. A recipient of the award will be named from time to time and the award will be restricted to those individuals who perform above and beyond their volunteer roles either for a specific task or for long standing involvement on behalf of IARU. Nominations for this award should be directed to the IARU Secretary and will be forwarded to the AC for consideration at an AC meeting."

Michael was the President of the Wireless Institute of Australia at the time of his death in September, 2012. He started his involvement in IARU affairs in mid 1970's as a member of the newly formed IARU Region 3 Association, an organization of IARU member-societies in the Asia-Pacific region. He was involved in WARC 1979 when amateur radio gained bands at 10, 18 and 24 MHz. He was heavily involved in WRC 2003 and the Article 25 re-write which contain the rules that apply specifically to the amateur and amateur-satellite services. From 1989-1999, Michael served as IARU Vice President. After stepping down as IARU VP, he became involved in WIA and had an important role in transitioning the WIA from a confederation to a national amateur radio society. He then turned his attention once again to IARU Region 3 and served as Chairman of IARU Region 3 since 2006 until the time of his

death. Michael's enthusiasm and experience was beneficial to all of the IARU member-societies and his passion for amateur radio will remembered well by those who had the good fortune to know Michael.

If you know an any deserving individual who has contributed time and effort to the IARU and the IARU member-societies, please send along the information about the person to me as IARU Secretary and the individual will be considered for the award by the Administrative Council.

Amateur Access to 5 MHz for UK Hams

After 1 January 2013, UK amateurs who hold a "full" license have been allowed to apply to operate on frequencies within the 5 MHz band. Following a request from the Radio Society of Great Britain for increased access to the 5 MHz (Experimental) Band, Ofcom (the UK independent telecom regulator) secured the agreement of the primary user to increase spectrum access from the current 7 spot frequencies of 3 kHz each. Details of the change can be found at http://www.rsgb.org/committees/spectrumforum/5mhz.php Congratulations to the RSGB for their effort to gain additional access to 5MHz. Let's hope this news encourages some of the other IARU member-societies to approach their telecom authority with a request for access to the 5 MHz if they currently have no operating privileges in that band. (Credit: RadCom, March 2013 issue and RSGB)

73, Rod W6ROD

Distribution Of This E-Letter

This electronic newsletter is sent to many IARU member-societies headquarters around the world. Individual amateurs should encourage their IARU national society to forward the newsletter to its own members. The newsletter can also be read and downloaded from the IARU web site at www.iaru.org.

If you are an ARRL member, you can subscribe to this E-Letter directly on the ARRL web site. When you log into the ARRL web site, go to the page where you can edit your profile and choose the electronic newsletter options that are available.

If you have any information that would be appropriate to publish in this electronic newsletter, please contact me at w6rod@iaru.org.

Rod Stafford W6ROD
IARU Secretary

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137. FCC Daily Digest 03/20/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-20 15:31:04 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-526896-2013.03.20-10.56.37--rec-radio-info#panix.com@info.fcc.gov>
Source record: 47
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 53 March 20, 2
013

[...]

Report No: 27949 Released: 03/20/2013. BROADCAST APPLICATIONS. MB http:
//hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-319588A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-319588A2.txt

[...]

JOSE TORRES. Granted in part and denied in part the Petition for Reconsi
deration filed by Jose Torres, licensee of amateur radio station N3TX in Ph
iladelphia, Pennsylvania. Reduced the forfeiture amount to $3,500. Action
by: Chief, Enforcement Bureau. Adopted: 03/19/2013 by MO&O. (DA No. 13-50
0). EB http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-500A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-500A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-500A1.txt

[...]

138. The ARRL Letter for March 21, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-22 01:06:57 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130321193615.3E0CB27D51F@bmail.arrl.org>
Source record: 48
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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The ARRL Letter

Published by the American Radio Relay League
**********************************************

March 21, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- Amateur Radio Enforcement: FCC Reduces Pennsylvania Ham's Fine
- Support ARRL: ARRL Announces a Campaign for Its Second Century
- Dayton Hamvention® Announces 2013 Award Winners
- Check Out the April Issue of QST
- ARRL Executive Committee Focused on FCC and Regulatory Items at March
Meeting
- The Amateur Radio Public Service Handbook Now Available for Kindle
- ARRL UHF/Microwave Band Plan Committee Seeks Comments on Draft 5 and
10 GHz National Band Plans
- Solar Update
- W1AW Announces 2013 Spring Operating Schedule
- ARRL to Close in Observance of Good Friday
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

There will be no ARRL Audio News <http://www.arrl.org/arrl-audio-news>
on Thursday, March 21. It will return on March 28.

==> AMATEUR RADIO ENFORCEMENT: FCC REDUCES PENNSYLVANIA HAM'S FINE

After affirming it was going to uphold a forfeiture in the amount of
$4000 to Jose Torres, N3TX, of Philadelphia, Pennsylvania, the FCC
decided to lower the fine to $3500. The FCC issued the fine in May
2011, saying that Torres' willful and repeated operation on an
unauthorized frequency in April and June 2008 was in violation of
Section 1.903(a) of the FCC's rules. Torres filed a Petition for
Reconsideration in July 2011, asking that the FCC cancel or reduce the
fine based on his inability to pay the full amount. Read more
<http://www.arrl.org/news/fcc-reduces-pennsylvania-ham-s-fine>.

==> SUPPORT ARRL: ARRL ANNOUNCES A CAMPAIGN FOR ITS SECOND CENTURY
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As the ARRL draws closer to celebrating its Centennial in 2014, its Board of Directors has launched an unprecedented $10 million fundraising initiative to build the ARRL Endowment and strengthen the organization's financial future. Led by the ARRL Board and an eight-member Second Century Campaign Committee -- headed by David W. Brandenburg, K5RQ -- the campaign has already raised more than $4 million toward this goal. Plans are to reach that goal by the end of ARRL's centennial year in 2014.

"The vision of the ARRL Second Century Campaign is to secure significant financial resources that will open a path to passionate involvement in Amateur Radio for new generations," she said. "In this, it will provide opportunities for educational enrichment, community service and personal achievement through the exploration and use of the magic of radio communication." Read more <http://www.arrl.org/news/arrl-announces-a-campaign-for-its-second-century>.

==> DAYTON HAMVENTION® ANNOUNCES 2013 AWARD WINNERS

The Dayton Amateur Radio Association (DARA) -- host of the Dayton Hamvention® -- has announced the winners of its four annual awards for 2013: the Amateur of the Year, the Technical Excellence Award, the Special Achievement Award and the Amateur Radio Club of the Year. These recipients will be honored at Hamvention in May. Each year, DARA invites the amateur community to nominate hams who have made significant contributions to the Amateur Radio Service. Read more <http://www.arrl.org/news/dayton-hamvention-announces-2013-award-winners>.

==> CHECK OUT THE APRIL ISSUE OF QST

The April issue of QST celebrates 75 years of W1AW, the Hiram Percy Maxim Memorial Station. So grab your print edition of QST -- or settle in with your computer or tablet to read the digital version <http://www.nxtbook.com/nxtbooks/arrl/qst_201304/index.php> -- and discover what the April issue has to offer.

Remote operation of your station via the Internet is gaining popularity. While operating the rig and antenna selector is fairly simple, controlling other station functions remotely can be a bit of a challenge. In his article "Remote Control of Accessories via the Internet," Jon Crisman, W0JEC, explains how to make this functions a bit simpler. In "The 2 Meter Q-Pole," Eric P. Nichols, KL7AJ, explains how this attractive and somewhat strange-looking antenna is the only kind of antenna capable of radiating omnidirectional diagonal polarization. In the first of a series of one night, easy to build projects, Paul Danzer, N1II, presents "Done In One: Temperature Alarm," which demonstrates how to build a device to warn you if your rig is overheating.

The world's most famous Amateur Radio station -- W1AW -- turns 75 in September. W1AW Station Manager Joe Carcia, NJ1Q, takes readers on a photo tour of the ARRL's flagship station in "75 Years of W1AW." In his article "Field Day the Solo Way," Thomas Mills, NU9R, gets a jump on

Amateur Radio's most popular on-the-air event by showing that roughing it on Field Day can teach some valuable lessons. ARRL News Editor S. Khrystyne Keane, K1SFA, reports on the ARRL's Board of Directors Annual Meeting and presents the recipients of three of the ARRL's annual awards in "ARRL Board of Directors Convenes in New Orleans for 2013 Annual Meeting."

ARRL Membership and Volunteer Programs Assistant Manager Norm Fusaro, W3IZ, takes a look at the Yaesu FTdx3000 HF and 6 meter transceiver in this month's Product Review. He says this rig "brings a boost in features and performance to Yaesu's mid-priced transceiver range." You can find a video overview of the Yaesu FTdx3000 <http://www.nxtbook.com/nxtbooks/arrl/qst_201304/index.php#/50> in the digital edition of the April issue of QST.

Of course, there are the usual columns you know and have come to expect in the April issue of QST: Happenings, Hints & Kinks, Eclectic Technology, The Doctor is In, Short Takes, Vintage Radio, How's DX? and more. Look for your April issue in your mailbox and in your inbox. QST is the official journal of the ARRL, the national association for Amateur Radio. QST is just one of the many benefits of ARRL membership. To join, or to renew your ARRL membership, please see the ARRL web page <https://www.arrl.org/join-arrl-renew-membership/>.

==> ARRL EXECUTIVE COMMITTEE FOCUSED ON FCC AND REGULATORY ITEMS AT MARCH MEETING

The ARRL Executive Committee (EC) held its first 2013 meeting Saturday, March 9 in Irving, Texas. The meeting's agenda included items concerning the FCC and regulatory items, FCC enforcement, legislative issues and organizational matters. The EC is responsible for administering the League's affairs in between Board meetings. Read more <http://www.arrl.org/news/arrl-executive-committee-focused-on-fcc-and-regulatory-items-at-march-meeting>.

==> THE AMATEUR RADIO PUBLIC SERVICE HANDBOOK NOW AVAILABLE FOR KINDLE

The Amateur Radio Public Service Handbook
<http://www.amazon.com/Amateur-Public-Service-Handbook-ebook/dp/B00BM9S1P4/ref=pd_rhf_cr_p_t_1_MHTV>
is now available from amazon.com for the Kindle. This e-book is for all hams who volunteer their time and skill in service to their communities. It provides knowledge needed for communicating quickly and effectively during disasters, emergencies and community events, as well as an opportunity to learn more about the Amateur Radio Service and its unique role in supporting the public.

You do not need a Kindle to download and purchase The Amateur Radio Public Service Handbook: those who have the Kindle application installed on their Apple iPhone, iPod touch or iPad or Android smartphone -- or even on their computer -- can download the book for use on these devices. The Amateur Radio Public Service Handbook is

available as a Kindle book from amazon.com for $24.99. The soft cover version <http://www.arrl.org/shop/Amateur-Radio-Public-Service-Handbook/> is also available for $39.95 ($34.95 for ARRL members).

==> ARRL UHF/MICROWAVE BAND PLAN COMMITTEE SEEKS COMMENTS ON DRAFT 5 AND 10 GHZ NATIONAL BAND PLANS

Last year, the ARRL UHF/Microwave Band Plan Committee prepared -- and the ARRL Board of Directors approved -- updated national band plans for the amateur bands between 902 MHz and 3.5 GHz after receiving extensive and helpful input from the user community. Last year, after the ARRL Executive Committee extended the Committee's charter to include the 5 and 10 GHz bands, it solicited additional input concerning usage on those two bands. The Committee has prepared draft band plans for 5 centimeters (5.650-5.925 GHz) and 3 centimeters (10-10.500 GHz). Read more <http://www.arrl.org/news/arrl-uhf-microwave-band-plan-committee-seeks-comments-on-draft-5-and-10-ghz-national-band-plans>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: This past week, the average daily sunspot numbers were up 16.2 points to 101.1, while the average daily solar flux remained about the same, rising from 118.5 to 119. An eruption on March 15 caused a coronal mass ejection (CME) that hit Earth on March 17, causing the planetary A index to jump to 46. The predicted solar flux is 105 on March 21-22, 100 on March 23-27, 95 on March 28, 100 on March 29-30, 105 on March 31, 110 and 120 on April 1-2, 125 on April 3-6, and back down to 120 on April 7-8. The planetary A index is predicted to be 10 and 8 on March 21-22, 5 on March 23-27, 18 and 10 on March 28-29, and back down to 5 on March 30-April 16. Look for more on the ARRL website on Friday, March 22. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> W1AW ANNOUNCES 2013 SPRING OPERATING SCHEDULE

With the switch from Standard Time to Daylight Saving Time on March 10, W1AW Station Manager Joe Carcia, NJ1Q, has updated the W1AW operating schedule to reflect the change. Your local standard times have not changed, but the UTC times they reference have. Read more <http://www.arrl.org/news/w1aw-announces-2013-spring-operating-schedule>.

==> ARRL TO CLOSE IN OBSERVANCE OF GOOD FRIDAY

ARRL Headquarters will be closed in observance of Good Friday on Friday, March 29. There will be no W1AW bulletin or code practice transmissions that day. ARRL Headquarters will reopen Monday, April 1 at 8 AM Eastern Daylight Time. We wish everyone a safe and enjoyable holiday weekend.

==> THIS WEEK IN RADIOSPORT

This week:

- March 22 -- NCCC Sprint
- March 24 -- UBA Spring Contest (SSB)
- March 27 -- SKCC Sprint
- March 27 28 -- CWops Mini-CWT Test

Next week:

- March 29 -- NCCC Sprint
- March 30-31 -- CQ WPX Contest (SSB)

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- March 23 -- ARRL South Texas State Convention <http://www.arrl.org/hamfests/south-texas-section-convention-greater-houston-hamfest-3>,
Rosenberg, Texas
- March 29-30 -- ARRL Maine State Convention <http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston,
Maine
- March 30 -- ARRL North Carolina State Convention <http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest-2>,
Raleigh, North Carolina
- April 13-14 -- Communications Academy <http://www.arrl.org/hamfests/communications-academy-2013>, Seattle,
Washington
- April 19-20 -- Southeastern VHF Society Conference <http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention <http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention <http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention <http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho;
Eastern VHF/UHF Conference <http://www.arrl.org/hamfests/eastern-vhf-uhf-conference>, Manchester,
Connecticut
- May 4 -- ARRL South Carolina Section Convention <http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfest-1>,

Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,

New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Parties.

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<http://www.arrl.org/>

139. Welcome to rec.radio.info!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-22 06:00:02 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/welcome-1-1363932001@panix.com>
Source record: 49
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/welcome
Revision: 1.5 2013/02/21 04:09:48
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** Welcome to rec.radio.info! ***

Welcome to rec.radio.info, a group that aims to provide a noise-free
source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group
every month. You are now reading the first article, which explains what
rec.radio.info is, and answers some Frequently Asked Questions. The
second article is titled Posting Guidelines, and you only need to read
it if you want to submit an article to rec.radio.info.

You can skip to the next section of this article by searching for the
next
" -- " string. The sections available are:
- What is the purpose of rec.radio.info?
- Why are messages almost always cross posted to rec.radio.info?
- What is a 'follow-up', and what does 'moderated' mean?
- OK, so now I know what 'moderated' means. Tell me more.
- What type of material is considered inappropriate?
- I do not have access to news, how can I get the information posted to
rec.radio.info?
- Will the material appearing in rec.radio.info be archived somewhere?
- I have a regular posting with timely information, is there a way to
speed up it's delivery, or automate for more convenience?

-- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet
community with a resource for information, news, and facts about any and
all things radio.

All the other rec.radio groups are intended for discussions and general
chit chat about radio. Rec.radio.info will contain informational,
factual articles only. Follow-ups are redirected to an appropriate other
group, and further discussion (if any) will not take place in
rec.radio.info.
```

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- Why are messages almost always cross posted to rec.radio.info?

It provides a "tag" for each article to be assembled into a filtered presentation in rec.radio.info (even with cross-posting, only one message, with a unique Message-ID, is propagated across the net). This tag also facilitates a pre-existing method of dropping or canceling the articles locally within the discussion groups if you don't want to see them. This accommodates individuals who want to separate the bulletins from the discussions, discussions from the bulletins, as well as those who are adamant about not reading another newsgroup and wanted to see everything all in one basket.

With the total size of Usenet (in number of newsgroups and total traffic) doubling every year or so, this is no insignificant contribution to reducing information noise and chaos. Making the discussion groups a catch-all, and making extra newsgroups filters on that catch-all, is also the most realistic way to implement such a scheme (It's not intuitively obvious what the charter, contents, and general appropriate topics for each and every newsgroup are. Seeing FAQ's and charter/intro postings in the home newsgroup is beneficial for new readers).

By cross-posting one only is adding a few tens of bytes to each bulletin (to specify the extra group on the Newsgroups line), but are adding the capability for very powerful filtering features available on most news servers, listservers and readers. Your local news guru could probably explain these features in more detail.

In rn, for example, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

/Newsgroups:.*[,]rec\.radio\.info/h:j

either in ~/News/KILL (if you don't want to see rec.radio.info articles anywhere) or ~/News/rec/radio/amateur/misc/KILL (if you don't want to see them just in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

rec.radio.info:!s/:^

in ~/.nn/kill (if you don't want to see rec.radio.info articles anywhere), or put the following lines:

sequence
rec.radio.info
rec.radio.

at the end of ~/.nn/init in order to see all the rec.radio.info bulletins first, then read the remaining rec.radio.* without the

bulletins.

In slrn, according to the srln FAQ, the following scoring rule will allow you to see rec.radio.info-crossposted bulletins, while still filtering out most SPAM or "Velveeta" crossposted to more than 2 newsgroups (as such articles usually do not contain a 'Followup-To:' header):

Score: -9999
Newsgroups: ,.*,
~Followup-To: .

More information about kill files may be obtained from Dave Fawthrop's Killfile FAQ at:

http://static.slated.org/killfile/killfilefaq.htm |

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup news.announce.newusers. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to news.announce.newusers.

For the rest of this article, we will assume you have a basic knowledge of Usenet terminology and mechanics.

A moderated group means that any article that needs to be posted to the group has to be accepted by the moderator of the group. Since we need to ensure that followups to an article (discussion) do not show up in the rec.radio.info newsgroup, the `Followup-To:' header line contains a newsgroup that is appropriate for discussions about the specific article.

-- OK, so now I know what 'moderated' means. Tell me more.

Rec.radio.info is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is the rec.radio.amateur.moderated Moderation Team. Submissions to rec.radio.info can be posted, or e-mailed to:

rec-radio-info@panix.com

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

rec-radio-info-request@panix.com

But before you do so, please be sure to check out the "Posting Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

1) Requests for information: rec.radio.info is strictly a one-way street. We receive information in our mailbox; we then post it to rec.radio.info. Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.

2) Obvious discussion articles, or articles that appear unsubstantiated.

3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, We would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. We reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all we can allow.

-- I do not have access to news, how can I get the information posted to rec.radio.info?

Google has an excellent web interface to Usenet newsgroups. It is available at:

http://groups.google.com

It supports both reading and posting.

Another excellent web interface to at least the radio-related Usenet newsgroups is the RadioBanter site:

http://www.radiobanter.com

sponsored by the NewsgroupBanter project:

http://www.newsgroupbanter.com

It, too, supports both reading and posting.

-- Will the material appearing in rec.radio.info be archived somewhere?

Yes. See Google Groups and RadioBanter above.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as time critical.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires co-operation and goodwill to be beneficial to the community in the rec.radio hierarchy.

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

140. rec.radio.info Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-22 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/guidelines-1-1363932300@panix.com>
Source record: 50
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/guidelines
Revision: 1.6 2013/02/21 04:09:06
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** rec.radio.info - Posting Guidelines and Etiquette ***

Two introductory articles about rec.radio.info are posted to this group
and to rec.answers/news.answers every month. You are now reading the
second article, which explains how to submit something to
rec.radio.info, and which answers some Frequently Asked Questions about
the submission process. The first article is titled "Welcome to
rec.radio.info", and it might be a good idea to check it out as well.

-- How do I submit something to rec.radio.info?

Two possibilities. You can use your newsreading software to just post
the article to rec.radio.info, as you would do with any other
newsgroup. The difference is that the software recognizes the special
status of rec.radio.info as a moderated group, and will e-mail your
article to us, the moderation team, instead of posting it to the group.

Alternatively, you can mail your article directly to us at the following
address:

rec-radio-info@panix.com

Mailing us directly is probably (a wee bit) faster, but using the
transparency offered by the newsreading software is probably more
convenient.

If you have any questions, or wish to deal with some administrivia with
the moderation team, we suggest mailing to the following address:

rec-radio-info-request@panix.com

-- How soon will I see my article appear?

It depends on how busy we are. Your article reaches us as mail, we have
to read it first, give it the stamp of approval, and finally send it on
to the group. We will attempt to read and decide on all submissions
within 72 hours at the very least, though we will probably be able to
process submissions much faster in actual practice.
```

The site from which we moderate this newsgroup, "Public Access Internet and Unix, NYC" (Panix), is directly connected to the Internet, and articles posted at that site should appear at most major news sites, including Google Groups, the same day. The principal delay, therefore, will be the wait in the moderator's submission queue.

If you post a periodic article, and have shown to be trustworthy, we may allow you to post directly if the article is of a timely nature. See the section below on direct posting.

-- Should my article be in a specific format?

No. If it is not totally illegible, we will accept it, and if it does not have a correct subject-line we will correct it with your permission -- that's what a moderator is for.

However.

You could do us a big favor by making sure your article conforms to these simple requirements:

1) The article must present information, not discussion or requests, We will reject the article or require you to change the wording if it is worth it.
2) A good, descriptive Subject line.
3) Always mention what source you got the information from.
4) Don't forget to include a Followup-To header, at least if you don't want further discussion to automatically be forwarded to you, the poster, which is the default if the article is only posted to rec.radio.info.

As we said: if your article is appropriate we will post it even if you don't follow these guidelines, but then don't blame us for not processing it immediately. 'Perfect' articles we can send on with a couple of keystrokes. Stuff that needs minor editing is going to have to wait until we have time to do so.

Please do not waste both our and your time by posting requests, as this is an information only news group.

-- What about crossposting?

If you send something to rec.radio.info, just name any group you'd like to cross-post to in the Newsgroups field. Then, when we approve the article for rec.radio.info it will get automatically cross-posted to any other groups mentioned. This will also override the default Followup-To: poster, replacing it with the groups you cross posted to.

We would prefer if the group be cross-posted to the various discussion groups in the rec.radio.* hierarchy that are appropriate:

rec.radio.amateur.antenna Antennas: theory, techniques and construction. |
rec.radio.amateur.boatanchors Vacuum tube-based amateur radio equipment. |
rec.radio.amateur.digital.misc Packet radio and other digital radio modes. |
rec.radio.amateur.dx Discussion, tips, notices and news for DXers. |

rec.radio.amateur.equipment All about production amateur radio hardware. |
rec.radio.amateur.homebrew Amateur radio construction and experimentation. |
rec.radio.amateur.misc Amateur (ham) radio and related matters
rec.radio.amateur.policy Amateur Radio practices, rules, etc.
rec.radio.amateur.space Amateur radio transmissions through space. |
rec.radio.shortwave International broadcasting on the 'HF' bands
rec.radio.cb Citizens Band (27 MHz) discussion
rec.radio.scanner Scanner discussions (unsupported group)

or in one of the moderated groups:

rec.radio.amateur.moderated Amateur radio practices, rules, etc.
rec.radio.broadcasting Discussion of *domestic* radio broadcasting

We will leave it up to the poster to decide which group(s) are
appropriate, but reserve the right to add groups if we feel it has
broader interest. We will consult with the poster first.

Notes on crossposting:

- rec.radio.broadcasting is also a moderated group. The
rec.radio.broadcasting moderation team prefers to review all articles |
before posting. Placing rec.radio.broadcasting before rec.radio.info |
on the Newsgroups line should accomplish this. We will typically |
abide by the rec.radio.broadcasting moderation team's decision whether |
the article is appropriate for rec.radio.info. |

- rec.radio.amateur.moderated is also a moderated group. As the
rec.radio.amateur.moderated Moderation Team manages both
rec.radio.amateur.moderated and rec.radio.info, we can manage
crossposting and approvals for both newsgroups. The
rec.radio.amateur.moderated group does not allow crossposting to other
discussion newsgroups, whether moderated or unmoderated. However, we
would like to manage rec.radio.info as consistently as possible with
how it was done by previous moderators, including the grandfathering
of existing regular postings. Therefore, the submitter can choose
rec.radio.amateur.moderated or the other unmoderated
rec.radio.amateur.* discussion newsgroups for crossposting, but not
both.

- Any FAQ or informational posting approved by the
rec.answers/news.answers moderation team that is also crossposted to
any rec.radio.* newsgroup (besides just rec.radio.info) is also
automatically pre-approved for rec.radio.info. See below for more
information.

If you post to another moderated group, it may be better to make special
arrangements with both moderators before posting by contacting us at our
administrivia addresses.

In addition, cross-posts do not take up extra space; modern newsreaders
can be configured to show you cross-posted articles only once anyway;
not everybody reads rec.radio.info; and rec.radio.info was never meant

to reduce the volume of the regular discussion newsgroups. But keep in mind that some of the mail gateways may filter out the informational postings (at request of the subscribers) to keep the load down.

You decide.

-- I have a regular posting with timely information, can I make arrangements to help speed up delivery by posting directly from my site?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires cooperation and good will to be beneficial to the community in the rec.radio.* hierarchy.

If you are currently maintaining (or plan to maintain) a radio-related periodic information posting, you may wish to consider crossposting it to rec.answers/news.answers. Postings that are approved by the rec.answers/news.answers moderators for this treatment are automatically pre-approved for crossposting to rec.radio.info (as the news.answers requirements are far more rigorous than the requirements this newsgroup ever plans to use). For more information about this option, consult the appropriate information articles and posting guidelines in rec.answers/news.answers.

Realize also, that even if your post is not approved for rec.answers/news.answers, it can still be approved for rec.radio.info. The intention is not so much to get every last bit of radio-related information on rec.answers/news.answers, but rather to provide an alternative avenue of approval (as well as grandfather existing maintainers of radio-related information and spare them additional bureaucratic hurdles). Again, crossposting to either rec.radio.info or rec.answers/news.answers, both, or neither, is at the discretion of the poster (subject to the approval of the moderators). You decide what is most appropriate for your article.

Please remember that as an information maintainer, you are not alone. There are many others on the net who maintain and post periodic information postings, using various intermediate-to-advanced features of Usenet (usually via automated tools). Various degrees of technical support and general hand-holding are available from many Usenet veterans. Send us some E-mail describing your needs to our administrative address below, and we'll try to help, or at least refer you to the right knowledgeable individual(s).

-- And Follow-ups?

If the only newsgroup you have specified is rec.radio.info, then the Followup-To: field will always be set to poster. If you do not want this, you must supply a Followup-To line of your own, and we will honor that one, as long as it is a subset of the original Newsgroups line.

If you specify newsgroups to cross-post to, then the Followup-To field will be set to include all the cross-posted groups, excepting rec.radio.info itself. Again, if you do not wish this behavior, supply your own Followup-To line.

We maintain other standards on the various RFC-1036 (news transport) header lines. For example, if the article is appropriate for passing into the Packet Radio Information Network, we encapsulate the Packet Bulletin Identifier (BID) in the Message-ID: news header line indicating the machine of origin as the ampr.org domain:

Message-ID: <$opa.55.1994@ampr.org>

where the Packet Radio BID, in this example, is `$OPA.55', and it was posted in the year 1994, because some of the Bid numbers are cycled yearly. Hopefully, this can be used as a key to re-introduce the articles for the Packet Radio network. Also, if the article is a repost of an already existing information article in the rec.radio heirarchy, we ensure that the References: header line is linked to that previously posted article. This also helps to tag articles, and may be used for additional filtering if needed.

Since the articles are archived, please use the Summary and Keywords header lines to help one search for your article.

-- Why have I received no reply from you?

We never reject anything in silence, and we make a point of it to answer all our mail. However, E-mail, like a brain cell, can and does get lost, every now and again.

So, if you send us something, and you don't see it appear it rec.radio.info, and you still have not heard from us in reply after say, five days, you can be pretty sure that either your mail never reached us, or that our answer has never reached you. In that case, please try again (We will filter out duplicates).

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

141. Amateur Radio Newsline(tm) Report 1858 - March 22 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-22 09:00:19 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130322090002.99FEE33C68@panix2.panix.com>
Source record: 151
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1858 - March 22 2013

Amateur Radio Newsline report number 1858 with a release date of March 22 2013 to follow in 5-4-3-2-1.

The following is a QST. An antenna battle down under pits a ham antenna against a landscape view; a big win in New Jersey as a ham is finally granted approval for his tower and antenna; a Coronal Mass Ejection on the sun hits Earth on St. Patrick's Day; the Federal probe of the so-called zombie attack on the United States Emergency Alert System continues and GPS jamming becomes a threat to public safety in the UK. All this and more on Amateur Radio Newsline(tm) report number 1858 coming your way right now.

(Billboard Cart Here)

**

RADIO LAW: NELSON NZ COUPLE WANT HAMS ANTENNA TAKEN DOWN AND ALL HAM ANTENNAS BANNED DUE TO EMI EXPOSURE

A Nelson, New Zealand couple upset by the installation of a ham radio antenna in the middle of their expansive field of view from have taken their fight to city councilors. They also appear to want a change in local zoning law that would make all ham radio installations in that city subject to exceedingly strict human electromagnetic exposure limits. Amateur Radio Newsline's Jim Meachen, ZL2BHF, has the details:

--

Dallas Woods is the complainant who made a presentation to the council's public forum. At that hearing Woods asked councilors to change the rules so that amateur radio antennas are no longer a permitted activity in residential zones or the landscape overlay which covers city ridgelines. Woods said the landscape overlay was supposed to mitigate adverse effects on visual qualities and to retain views from major vantage points. Also that the council's councils current plan acknowledged that in some areas use of structures such as antenna masts should be extremely limited.

But that presentation did not stop there. According to Woods testimony, with the modern communications now available, there was no justification for large ham radio antennas as a right in residential zones. Woods also stated that ham radio was no longer needed to help with emergencies. They are also concerned about the health aspects for themselves and passers-by who could be exposed to higher what Woods

terms as a than acceptable amount electromagnetic radiation from the ham radio antenna when it was operating at full power. Woods wants the National Radiation Laboratory of the Ministry of Health should monitor the RF output from the antenna while the ham radio station is operating at maximum power.

The tower and antenna in question belong to Rick Kiessig, ZL2HAM. He has acknowledged that his antenna did impinge on his neighbors view to some degree, but noted that there was a gum tree in the same area which was taller than his antenna and blocked much more of the view. He also said that he had taken a number of additional steps to mitigate the effect of the antenna on the view of his neighbors. This included his using a self-supporting tower without lots of guy wires and an antenna made of translucent fiberglass rather than one with a large number of thick aluminum elements.

Nelson's environmental inspections manager is Stephen Lawrence. He acknowledges that he has received such a request from the Woods, but he notes that a rule in the Nelson Resource Management Plan specifies that any antenna transmitting on radio frequencies had to do so within the limits of the relevant New Zealand Safety Standard. He says that Kiessig has already submitted a very detailed self assessment to council that shows his antenna system complies with that safety standard. According to Lawrence, the council in the process of seeking someone to peer review this assessment as a double check, but he adds there are currently no grounds to believe that it isn't accurate or that the antenna system is operating outside of proper safety limits.

And that's where this one stands as we go to air.

For the Amateur Radio Newsline, I'm Jim Meachen, ZL2BHF, one the scene in Nelson, New Zealand.

--

According to ZL2HAM, amateur radio stations such as his that operate in the high frequency spectrum makes them safer at a given power density than cellphones or wireless internet. He notes that a ham radio station in the high frequency range would need to transmit about 12,000 watts of effective radiated power to have the same power density as a cellphone in normal use. (Fairfax NZ News, Others)

**

RADIO LAW: NJ HAM WINS ANTENNA HEIGHT APPEAL

Back on this side of the Pacific a New Jersey ham has finally been granted a building permit to erect a 96 foot high antenna system. Amateur Radio Newsline's Heather Embee, KB3TZD, is here with more:

--

In April 2012, Ira Saber, N2IS, filed an application for a building permit in Morris Township, New Jersey. A month later, the Township's

Code Enforcement Officer informed Saber that the proposed 96' high private radio antenna system, on his modest one quarter acre property, may violate the height requirement in the zone.

On appeal to the Zoning Board of Adjustment, Saber submitted a "Showing of Need for Height of an Amateur Radio Antenna Support Structure," prepared by Dennis Egan, W1UE. Also submitted was an ARRL pamphlet entitled "Antenna Height and Communications Effectiveness," prepared by Richard Straw, N6BV and Gerald Hall, K1TD, and a brief by his lawyer, Fred Hopengarten, K1VR.

In December 2012, after soliciting opinions by the township's RF consultant, the township planner, and the attorney to the Board of Adjustment, the Zoning Board of Adjustment held a hearing. Saber and Hopengarten appeared. At that time the Board voted unanimously that Saber's building permit should be issued as requested.

But the most important aspect of this finding was what has come to light since. In an opinion letter the Board of Adjustment attorney said that it is apparent that the essence of the FCC's preemptive intent as expressed in PRB-1 was to guarantee that each amateur radio operator could install functional antennas for all amateur frequency bands, at the licensee`s residence.

For the Amateur Radio Newsline, I'm Heather Embee, KB3TZD, a bit to the West in Berwick, Pennsylvania.

--

The full decision, and the opinion of the Board's attorney, may be found under "Resolution of Findings and Conclusions, Ira J. Saber" at tinyurl.com/n2is-antenna-win. (QRZ)

**

PROPAGATION: CME IMPACT SPARKS ST. PATRICKS DAY AURORAS ON EARTH

The Southgate news reports that the skies over parts of North America turned green for St. Patrick's Day. This as a Coronal Mass Ejection or CME from the surface of the sun impacted on planet Earth during the early hours of March 17th.

The CME sparked bright auroras at latitudes as far south as Colorado. Other intense Aurora's were spotted on March 18th mainly over the Arctic as Earth's magnetic field continued to respond to the solar impact. And if you heard or worked some stations on 50 MHz and above who sounded as if they were gargling while speaking, that was the sound of aurora propagation.

More information on this latest CME flare including photos and further updates can be found on line at spaceweather.com. (Southgate, Skywatch, others)

**

ENFORCEMENT: FEDERAL PROBE INTO FALSE EAS ZOMBIE ALERT WIDENS

FCC Public Safety and Homeland Security Bureau Chief David Turetsky says that the investigation continues into what happened to allow someone to hack some broadcast stations' EAS encoders/decoders and insert false alerts of zombie attacks that were aired on some of those facilities.

According to Turetsky, the Internet which is a part of the EAS system will remain an important means of communication. Turetsky says that there is no silver bullet to cover all occasions. He says that all involved in EAS need to work hard to create greater security.

As previously reported, some stations that were hacked had connected their EAS encoder/decoder equipment directly to the Internet, rather than behind a firewall. Others had not changed the factory-provided password making both vulnerable to attacks by hackers. (RW)

**

RADIO LAW: FEUD ERUPTING BETWEEN CTIA AND NAB OVER ENG SPECTRUM FOR BROADBAND

A feud appears to be brewing between the broadcast community and the broadband industry over spectrum now used by broadcast auxiliary operations. This after the CTIA Wireless Association has requested that the FCC look to reclaim some of this spectrum for commercial reallocation. Amateur Radio Newslines Stephan Kinford, N8WB, has the details:

--

For its part the CTIA points out that the FCC has until February of 2015 to identify 15 MHz of contiguous spectrum for reallocation and licensing for mobile broadband and that the current broadcast auxiliary services band is a natural fit.

But the National Association of Broadcasters counters that such a move would amount to a threat to public safety. This is because the spectrum in question is currently used for electronic newsgathering and is where broadcasters were forced to move these operations when they reallocated satellite spectrum.

Perhaps the biggest dig at the CTIA proposal came from National Association of Broadcasters spokesman Dennis Wharton. He is quoted as having said that if the request were not such a serious threat to public safety, it would be amusing.

But the wireless industry does not seen to be amused. In his statement CTIA president Steve Largent wrote that this spectrum band is below 3 GHz, is contiguous and adjacent to current allocations, and would allow pairing in a readily achievable fashion. Largent added that the CTIA is not aware of any other spectrum bands as well-positioned as this band to meet all the key principles for mobile broadband spectrum that could be paired with the specific 15 MHz identified by National

Telecommunications and Information Agency.

For the Amateur Radio Newsline, I'm Stephan Kinford, N8WB, in Wadsworth, Ohio.

--

The bottom line appears to be that broadcasters who had been allied with wireless companies in opposition to the FCC's incentive auction band plan may be quickly heading in different directions and may well come to loggerheads over this new CTIA spectrum demand. (B&C, fiercebroadbandwireless.com)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the WA4TEP repeater serving Greenville North Carolina.

(5 sec pause here)

**

ENFORCEMENT: FCC SEIZES UNLICENSED FM BROADCAST STATION IN BROCKTON MA

Federal authorities have shut down and seized equipment reportedly used by an unlicensed radio station in Brockton, Massachusetts. A station that is alleged to have interfered with air traffic communications in the Boston area. Amateur Radio Newslines George Bowen, W2XBS, tells us what happened:

--

The equipment was confiscated by the US Marshals Service, which executed a warrant March 1st. According to an affidavit filed in January by FCC Engineer Emmanuel Domkam, officials began investigating the unlicensed station operating on 91.7 FM in Brockton, in February 2010. However the station's transmitter moved three times before it ended up on at the location the seizure occurred.

Domkan wrote that each time the move occurred after the FCC has issued and posted a written warning at the transmitter location. Investigators eventually traced the transmitter to an address on Rutland Street in Brockton. This after the Federal Aviation Administration filed a complaint last October that a possible unlicensed station, later identified as operating on 91.7 and playing Haitian music, was interfering with its ability of controllers to communicate with pilots flying in the Boston area.

The interference was likely from spurs generated by the stations transmitter. The FCC said the investigation became a top priority because this kind of interference could be dangerous to air to ground communications and public safety.

As we go to air the owner of the property where the equipment was confiscated has not been charged with any crime. Nor was immediately clear if that person or anyone else will be subject to a Notice of Monetary Forfeiture or other federal penalty. As regular listeners know, fines in similar cases start at $10,000 and run as high as $25,000 or more.

For the amateur Radio Newsline, I'm George Bowen, W2XBS, in Albany, New York.

--

This is not the first time that the FCC has confiscated an unlicensed station in the Brockton area. In an unrelated 2007 case an unlicensed radio broadcaster was cited by federal authorities for interfering with the traffic control at Logan International Airport in nearby Boston. In that incident the stations equipment was also seized. (Boston Globe, Boston Herald, Cape Cod Daily)

**

ENFORCEMENT: FINE REDUCED IN PENNSYLVANIA OUT OF BAND OPERATION

A Pennsylvania ham whom the FCC says operated outside of the amateur radio bands has had his fine reduced by $500.

Back on May 16, 2011 the FCC imposed a $4,000 monetary forfeiture against Jose Torres, N3TX, of Philadelphia. This for his alleged willful and repeated operation of his amateur radio station on an unauthorized frequency on April 17 and June 2, 2008. The frequency in question was 26.71 MHz.

On February 17, 2009, Torres met with agents in the Philadelphia Office to respond to the apparent findings in the N-A-L. During the meeting Torres claimed that he was not at home when the alleged unauthorized transmissions occurred. He also asserted that payment of the $4000 proposed fine would pose a financial hardship. At that meeting he produced the required documentation to back up his claim.

But in affirming the penalty, the FCC said that it finds that Torres's Petition for Reconsideration fails to demonstrate a material error in the Forfeiture Order. That it only reiterates arguments previously presented to and rejected by the agency's Northeast Region office. As such, it denies reconsideration of the Petition on this basis.

As to Torres's claim of his inability to pay the forfeiture, here the FCC says that based on the materials he submitted that a reduction of $500 is warranted. Therefore the agency affirms the Northeast Region's finding that Torres willfully and repeatedly operated on an unauthorized frequency but reduces the forfeiture amount to $3,500.

Torres was given the customary 30 days from the March 19th release of the Memorandum Opinion and Order in this matter to pay the reduced $3,500 forfeiture amount. (FCC)

**

ENFORCEMENT: ANOTHER UNLICENSED FLORIDA BROADCASTERS ISSUED $25000 NAL

The FCC has issued Gary Feldman a $25,000 Notice of Monetary Forfeiture for operating an unlicensed radio station in Miami, Florida.

Responding to a complaint, agents from the Enforcement Bureau's Miami office traced the source of an unauthorized signal on 99.7 MHz to an FM antenna mounted on Feldman's residence, in both 2011 and 2012. While monitoring the station, agents heard the website hot977fmmiami.com mentioned. A check showed the website domain registered to Feldman.

According to the FCC, during an inspection in 2012, Feldman admitted he operated the station but refused to either surrender the gear to the investigators or to destroy it. At that time the commission warned Feldman that operating an unlicensed station violated FCC rules and he could face further enforcement action.

Later in 2012 the FCC says that Feldman attempted to evade detection by moving his unlicensed operation to a commercial building he owns in Miami. The commission also found Feldman had earlier been issued a $10,000 fine for operating an unlicensed station in Fort Myers. That case had already been turned over to the Department of Justice for collection but the fine at that time has still remained unpaid.

In issuing the latest proposed fine to Feldman the agency noted that it had increased the amount to $25,000 because of his past record of non compliance with FCC rules and that the current violation is deemed as willful and repeated. It also warned him that he may face larger fines, criminal prosecution and equipment seizure if he fails to comply.

Feldman has 30 days from the February 21st date of the issuance of the proposed fine to pay it in full or to file an appeal. (FCC)

**

RADIO HAPPENINGS: FEMA-IPAWS WONT BE AT NAB DUE TO SEQUESTRATION BUDGET CUTS

It appears that FEMA-IPAWS personnel won't be going to the National Association of Broadcasters Convention in April due to the so-called "sequestration." That's the fancy word politicians in Washington made up to give a title to the more than $40 billion in across-the-board federal spending cuts within the remaining fiscal year.

One member of that office posted a message to the Society of Broadcast Engineers EAS list serve that at this time FEMA won't have a presence at the National Association of Broadcasters Convention next month in Las Vegas, Nevada. That likely means FEMA won't have a booth and no one can travel to the event, including those scheduled to be session panelists.

There's no word yet on how the budget cuts might affect travel for the FCC personnel scheduled to speak in Las Vegas. During a recent Senate FCC oversight hearing Chairman Julius Genachowski said he has serious concerns about the effects of the cuts, since the agency is at its lowest employee level in some 30 years.

The FCC's portion of the sequestration cuts is about $17 million, or 5% of its total $340 million budget. This in turn begs the obvious question as to how the sequestration mandated budget cuts might affect all aspects of ham radio oversight by the agency as well as FCC participation in major amateur radio conventions and other events. (RW, ARNewsline(tm))

**

RADIO HAPPENINGS: FAIRBANKS AK COLLEGE STATION TAKES MAJOR PRIZE

KSUA, a student-run radio station at the University of Alaska at Fairbanks has been named as the best college radio station in the country. The station on 91.5 MHz FM won the 2013 MTVU'S Best College Radio Woodie Award, beating out competition from major universities in metropolitan areas from across the country.

MTVU is a division of the MTV Network that targets college-aged students and is available on more than 750 college campuses across the United States. The Woodie Awards are its top honors, which celebrate everything about college life from best musical artist and video to best radio station.

This year awards will be presented in Austin, Texas, during the South by Southwest festival. This is a major 10-day entertainment festival covering music, film and interactive formats such as video gaming and the online world. (AND.com)

**

RADIO EDUCATION: DARA TO AGAIN SUPPORT ADVANCED ARRL TEACHERS INSTITUTE

For the fourth year in a row, the Dayton Amateur Radio Association will provide financial support for the advanced session of the Teachers Institute sponsored by the ARRL. This advanced session on remote sensing and data gathering will be held July 22nd to the 25 at the Dayton Amateur Radio Association's new classroom facility at their clubhouse in Dayton, Ohio.

There will also be two basic Teachers Institute sessions taking place this summer. One will be held July 8th to the 11th at ARRL Headquarters in Newington, Connecticut. The other from July 15th to the 19th on the West coast at Parallax, Inc in Rocklin, California.

More on all of these sessions is on line at tinyurl.com/2013-arrl-teachers-institute. (ARRL)

**

HAM HAPPENINGS: INTERNATIONAL MUSEUMS WEEKEND REGISTRATION OPEN

The International Museums Weekends special event will take place on the double weekends of June15th and 16th and again on June 22nd and 23rd. Hams world-wide are being encouraged to participate in this event by setting up stations in their local museums in third areas.

The events organizer Harry Bloomfield, M1BYT. He asks that all those intending to take part to register their museum via the web form on the International Museums Weekend website. Its in cyberspace at www.ukradioamateur.co.uk/imw. (GB2RS)

**

WITH NEWSLINE: ARNEWSLINE FACEBOOK PAGES REACHES 1300

A new milestone for the Amateur Radio Newsline page on Facebook. As of this newscast, our page now has 1300 followers. Many of those who have signed on have also become contributors on news and events that do not always make it into our weekly newscast. For this we thank all of them for their volunteerism and support. If you are on Facebook and have not yet signed onto our page we invite you to do so and become a part of the Amateur Newsline on-line family. And a very special thank you to James Pastorfield, KB7TBT, who serves as the volunteer moderator of our presence on Facebook. (ARNewsline)

**

HAM HAPPENINGS: SVHFS CONFERENCE APRIL 19-20 IN COCOA BEACH FLORIDA

And a reminder that the 2013 The Southeastern VHF Society technical conference is less than 6 weeks away. This years gathering will take place April 19 to the 20th at the Cocoa Beach Hilton Hotel in Cocoa Beach, Florida.

The goal of the conference is to raise the technical level of amateurs. This by providing a forum for presenting papers relating to VHF, UHF, and Microwave while at the same time providing a focal point for discussions on operating practices and procedures and other topics that promote operation on amateur bands above 50MHz.

For further information and registration please visit the conference website at www.svhfs.org (VHF Reflector, SVHFS.com)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

NAMES IN THE NEWS: DAVE PATTON N1NN TO SPEAK AT DAYTON DX DINNER

Some names in the news. The SouthWest Ohio DX Association has announced that Dave Patton, NN1N, will be the featured speaker for its 28th annual DX dinner. This on Friday, May 17th at the Marriott Hotel in Dayton, Ohio.

Dave Patton was first licensed in 1977 as WD9DCL at the age of 12. Always an avid DX'er and contester Patton is a two-time World Radiosport Team Championship competitor has been on world record holding multi-operator teams at 6Y2A and HC8N.

For more information and to order dinner tickets please visit www.swodxaevents.org on the World-Wide-Web (OPDX)

**

NAMES IN THE NEWS: PB33BQ TO CELEBRATE THE CHANGE OF ROYALTY IN THE NETHERLANDS

And in celebration of the Netherlands Queen Beatrix handing over the throne to her eldest son Prince Willem Alexander, Dutch ham radio operator Jaap Van Duin, PA7DA, will take to the airwaves using the special callsign PB33Q between April 20th and May 1st.

The PB33BQ callsign stands for Princess Beatrix 33 years Queen and commemorates the more than three decades since she took over the throne of her mother Queen Juliana. That took place back on April 30th, 1980.

Keep an eye on pa7da.jouwweb.nl/pb33q for more information on this very special celebration. QSL PB33Q only via the bureau. (Various DX News Sources)

**

RADIO HAPPENINGS: NRCDXAS MOVES FROM CASSETTE TO CD DISTRIBUTION

The National Radio Club has announced that its highly acclaimed DX Audio Service has ceased publication on cassette and is now available on CD.

Fred Vobbe, W8HDU, is the Publisher of the DX Audio Service and an anchor here on Amateur Radio Newsline. He notes that the audio magazine which targets blind and visually handicapped individuals has been published on cassette tape since 1985. But says W8HDU, the switch to CD distribution will increase the amount of time to present articles on radio and the radio listening hobby as well as represent an advancement in technology. With the move to CDs the club hopes not to just talk about the quality of a radio receiver, but let the members make their own qualitative judgments. According to Vobbe, the high quality of CD's is what makes this possible.

The DX Audio Service magazine started with volunteers reading the printed version of DX News Magazine to tape. Two decades ago the subject matter was changed slightly from traditional AM DX'ing, to add

general topics on radio listening, technical articles, and features on people in the broadcasting business.

A sample of the MP3 version is located on the World Wide Web at www.nrcdxas.org under the "Publications", then "Download" links. A sample CD for United States and Canadian radio listeners is available for $3.00 from National Radio Club Publications, P.O. Box 473251, Aurora, Colorado, 80047 in the USA. More information is on the web at www.nrcdxas.org. (W8HDU)

**

RADIO IN SPACE: FCC ISSUES GUIDANCE ON OBTAINING LICENSES FOR SMALL SATELLITES

The Federal Communications Commission released a Public Notice to provide guidance concerning FCC licensing of spectrum for use by small satellites, including satellites that fall within the categories of pico-satellites, nano-satellites and cubesats. Amateur Radio Newsline's Bruce Tennant, K6PZW has more:

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The FCC's rules set forth three different procedures for licensing satellites. The Commission's Part 25 rules are primary for satellite licensing, and are used for regulating a wide range of satellite operations, including commercial communication and remote sensing satellites. The Commission's Part 5 rules cover experimental operations. The Commission's Part 97 rules cover amateur radio service satellite operations.

Currently, many small satellite missions involve experimental operations such as scientific and research missions including those conducted under government contract, and many operate in amateur frequency bands. These satellites are licensed under Parts 5 or 97 of FCC rules. Because of the significant interest in small satellites in the amateur radio and research communities, the primary focus of this new Public Notice is on those operations, although certain guidance in the Notice is also applicable to Part 25 licensing well in advance of a launch.

The FCC notes that the advent of small satellite designs has brought with it dramatically lower launch costs. This is enabling a larger range of organizations to directly launch satellites. Institutions such as universities and research groups that previously found it cost prohibitive to orbit their own satellite can now participate in the exploration of space at relatively reasonable cost. And because of this many of these new participants may be unfamiliar with the spectrum licensing, scheduling and other requirements attendant on satellites. The FCC says that this new Public Notice seeks to alert those planning to orbit a small satellite of these requirements and aid operators in the planning necessary for a successful launch operation.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

--

The full public notice can be found on-line at tinyurl.com/small-sat-guide. And we will have more ham radio space related news later on in this weeks Amateur Radio Newsline report. (FCC, AMSAT)

**

RADIO IN SPACE: THE DL4APV WEEKEND MOON CALENDAR

Still with space related matters, E-M-E enthusiasts should take note that DL7APV has posted a 2013 weekend Moon Calendar to the World Wide Web. Titled the Lunar Weekend Calendar the page gives all sorts of information regarding the Moons position on weekends throughout the year along with ham radio events taking place on the same dates. You can access the DL7APV Lunar Weekend Calendar on-line at tinyurl.com/find-the-moon. (N4GIV, VHF Reflector)

**

RADIO IN SPACE: APRIL 432 AND ABOVE EME NEWSLETTER AVAILABLE

Still with moonbounce communications, the April issue of the amateur radio 432 MHz and Above EME Newsletter is now available for download. The newsletter is available in Word, PDF and Text formats the newsletter can be downloaded free of charge at tinyurl.com/april-432-news. (VHF Reflector)

**

ON THE AIR: SPANISH SPECIAL EVENT STATION EH5SIP

On the air. members of the Team Cartagena will commemorate the launch of the submarine Isaac Peral 125 years ago with the special station EH5SIP on the air through March 31st. Operation of this station is on SSB and the digital modes. QSLs will be sent automatically via bureau. (Southgate)

**

ON THE AIR: 8J4G CELEBRATING NATIONAL TREE PLANTING IN JAPAN

And keep an ear open for a special event stations operating from Japan. 8J4G can be heard through May 31st celebrating the 64th National Tree Planting Ceremony in Tottori prefecture on Honshu Island. QSL only via the JA Bureau. (Southgate)

**

DX

In DX, JH1NBN is expected to be active from Bhutan as A52W through March 26th. He is there on business, so his activity will only be

during his spare time. QSL via JH1NBN direct only.

F6BGC will be active as 8Q7NC from the Maldives through March 29th. He plans to operate holiday style on 40 through 6 meters using mostly SSB with some CW and RTTY. QSL via F6BGC, direct or by the bureau and electronically using Logbook of the World.

F5MNW will be active stroke FR from Reunion Island between April 6th and the 29th. Operations will be on the High Frequency bands using only CW. QSL via his home callsign either direct or via the bureau.

Lastly, ZS6AYU will likely be operational as C91GR from Mozambique between May 7th and 11th. We say likely only because the C91GR callsign has been applied for but not yet issued. Either way he plans to be on 40 through 10 meters operating CW only. QSL via his home callsign, either direct or by the Bureau.

**

THAT FINAL ITEM: GPS JAMMERS GROWING PROBLEM ON UK ROADS

And finally this week, word that jamming of the Global Positioning System by drivers on United Kingdom is becoming a growing threat to public safety. Amateur Radio Newsline's Jim Damron, N8TMW, reports:

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The United Kingdom's Guardian newspaper reports that thousands of people in that nation may be using GPS jamming devices on UK roads. This to be invisible to any form of surveillance while driving.

According to the article there are a lot concerns that use of these devices could lead to the dangers to public safety. This includes overtired bus drivers or others staying on the roads despite the presence of monitoring equipment. More importantly they could also pose major a threat if vehicles equipped with the jammers were to go on in airport areas near aircraft which rely on the global positioning system for navigation.

The Guardian article also notes that the growing use of these devices could torpedo any plans to introduce pay as you drive insurance or road toll systems. This is because a vehicle owner would be able to block communications with monitoring systems.

GPS jammers, which can have a range of several hundred meters, can be bought in the United Kingdom for about ?30 or about $45 in U-S currency. While not illegal to purchase and own in the U-K it is against the law to use them.

For the Amateur Radio Newsline, I'm Jim Damron, N8TMW, in Charleston, West Virginia.

--

The full story is on-line at tinyurl.com/uk-gps-jamming (Guardian)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Don Wilbanks, AE5DW, saying 73 and we thank you for listening.

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142. FCC Daily Digest 03/25/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-25 15:55:54 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527001-2013.03.25-11.23.05--rec-radio-info#panix.com@info.fcc.gov>
Source record: 152
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 56 March 25, 2
013

[...]

AMERICAN RADIO RELAY LEAGUE, INC. Granted the waiver request, with condi
tions. Dismissed as moot a previously-filed request from ARRL for clarifica
tion of the rules as they apply to TDMA digital emissions. (Dkt No. 12-283
). Action by: Deputy Chief, Mobility Division, Wireless Telecommunication
s Bureau. Adopted: 03/22/2013 by ORDER. (DA No. 13-542). WTB http://hrau
nfoss.fcc.gov/edocs_public/attachmatch/DA-13-542A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-542A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-542A1.txt

[...]

143. 30 Years Ago: Japanese Amateur Radio Satellite JAS-1 Announced

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-27 16:20:15 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <5152ff9c$0$71764$540ea2cf@novia.net>
Source record: 153
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.digital.misc,rec.radio.amateur.space

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: karn <utzoo!decvax!harpo!eagle!karn>
>Subject: JAS-1 announced
>Newsgroups: net.ham-radio, net.space
>Date: Fri Mar 25 16:24:07 1983

Last weekend, JAMSAT and JARL (the Japanese branch of AMSAT and the
Japanese Amateur Radio League) formally announced a project to build an
amateur radio satellite for launch in 1986 aboard a new Japanese launch
vehicle, the H-1 (similar to the American Delta).

The satellite will physically resemble Oscar-8, and carry two
communications payloads. One will be a Mode J 2m-to-70cm linear
transponder like that on Oscar-8, and the other will be a digital
store-and-forward "mailbox".

The digital half of JAS-1 will be in addition to the similar PACSAT
project being planned in the US for one of three launch possibilities:
aboard a Space Services launcher, a Delta with Landsat D', or aboard the
Landsat 4 Recovery shuttle mission from Vandenburg.

Discussions have been underway between AMSAT and JAMSAT for some time to
establish common modulation, protocols and user interfaces wherever
possible for PACSAT and the digital portion of JAS-1 in order to minimize
user inconvenience.

Launch of JAS-1 is planned for early 1986 into a 1500 km altitude, 50
degree inclination orbit. Note that this orbit will NOT be
sun-synchronous, unlike that planned for PACSAT.

Phil Karn, KA9Q
Asst. VP Engineering, AMSAT

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

```
iEYEARECAAYFAlFS/2sACgkQ6Pj0az779o5jXACgtU3BcWlpcfR0/GVffAEmy0Zh
PUAAoM2i7GrroIhLGDsELePL59BZG2Je
=R/oT
-----END PGP SIGNATURE-----
```

144. Re: 30 Years Ago: Japanese Amateur Radio Satellite JAS-1 Announced

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-27 19:13:19 UTC
From: Rob <nomail@example.com>
Message-ID: <slrnkl69ke.g1l.nomail@xs8.xs4all.nl>
Source record: 154
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.digital.misc,rec.radio.amateur.space

Paul W Schleck <pschleck@oasis.novia.net> wrote:
> The satellite will physically resemble Oscar-8, and carry two
> communications payloads. One will be a Mode J 2m-to-70cm linear
> transponder like that on Oscar-8, and the other will be a digital
> store-and-forward "mailbox".

I still have my JAS-1 modem (combined with an early TNC2 clone)
and a printout of a session with the mailbox...

145. The ARRL Letter for March 28, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-29 02:52:14 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130328202735.3B4ED26C67B@bmail.arrl.org>
Source record: 155
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

March 28, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

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<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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(SK)
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Convention
- + On the Air: ARRL UHF/Microwave Band Plan Committee Seeks Comments
on Draft 5 and 10 GHz National Band Plans
- Solar Update
- + Silent Key: Former ARRL Northwestern Division Director Mary Lewis,
W7QGP (SK)
- + Silent Key: Former ARRL Pacific Division Vice Director Robert
Smithwick, W6CS (ex-W6JZU) (SK)
- Silent Key: Noted Contester and DXer Luis Chartarifsky, XE1L (SK)
- + ARRL to Close in Observance of Good Friday
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC NEWS: FCC CHAIRMAN JULIUS GENACHOWSKI, FCC COMMISSIONER
ROBERT MCDOWELL TO STEP DOWN

FCC Commissioner Julius Genachowski and FCC Commissioner Robert
McDowell both announced last week that they would be leaving the
Commission. McDowell announced his resignation during the FCC's open
meeting on March 20, while Genachowski made his announcement in remarks
to FCC staff on March 22.
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Genachowski was nominated by President Barack Obama to lead the Commission in June 2009. McDowell was appointed by President George W. Bush in 2006 and re-appointed by President Obama in 2009. While Genachowski's term is up later this year, McDowell's term expires in 2014. Neither Genachowski nor McDowell has announced their post-Commission plans.

The departure of Genachowski (a Democrat) and McDowell (a Republican), leaves Mignon Clyburn and Jessica Rosenworcel as the FCC's Democrats, and Ajit Pai as its sole Republican, giving Democrats a 2 to 1 voting advantage. Only three commissioners at a time may be members of the same political party. With two seats open on the FCC, the Obama Administration could advance a Republican and a Democratic nominee simultaneously, as it did with Pai and Rosenworcel in 2012. Read more <http://www.arrl.org/news/fcc-chairman-julius-genachowski-fcc-commissioner-robert-mcdowell-to-step-down>.

==> + FCC NEWS: FCC GRANTS ARRL'S REQUEST FOR TEMPORARY WAIVER FOR TDMA SYSTEMS

Acting upon a request by the ARRL, the FCC issued an Order (WT Docket No, 12-283) on March 25, granting a temporary waiver to transmit communications on amateur service channels above 30 MHz using single time-slot Time Division Multiple Access (TDMA) systems. The temporary waiver was granted pending the resolution of a related rulemaking proceeding (RM-11625).

In granting the temporary waiver, the FCC agreed with the ARRL, noting that the digital systems that radio amateurs have recently implemented are "compatible with existing amateur repeater channelization plans." The FCC also noted that allowing FXE and F7E as phone emissions and emission type FXD as a data emission "is unlikely to result in inharmonious emission types being used in the same segments of the frequency bands. We also conclude that allowing amateur stations to transmit these emission types is consistent with the basis and purpose of the amateur service, specifically to continue to contribute to the advancement of the radio art." Read more <http://www.arrl.org/news/fcc-grants-arrl-s-request-for-temporary-waiver-for-tdma-systems>.

==> SUPPORT ARRL: ARRL ANNOUNCES A CAMPAIGN FOR ITS SECOND CENTURY

As the ARRL draws closer to celebrating its Centennial in 2014, its Board of Directors has launched an unprecedented $10 million fundraising initiative to build the ARRL Endowment and strengthen the organization's financial future. Led by the ARRL Board and an eight-member Second Century Campaign Committee -- headed by David W. Brandenburg, K5RQ -- the campaign has already raised cash and commitments of more than $4 million toward this goal. Plans are to reach that goal by the end of ARRL's centennial year in 2014.

"The vision of the ARRL Second Century Campaign is to secure significant financial resources that will open a path to passionate

involvement in Amateur Radio for new generations," explained ARRL Chief Development Officer Mary Hobart, K1MMH. "In this, it will provide opportunities for educational enrichment, community service and personal achievement through the exploration and use of the magic of radio communication." Read more <http://www.arrl.org/news/arrl-announces-a-campaign-for-its-second-century>.

==> + SILENT KEY: NATIONAL TRAFFIC SYSTEM DEVELOPER GEORGE HART, W1NJM (SK)

George Hart, W1NJM -- the chief developer of the National Traffic System -- passed away Sunday, March 24. He was 99. An ARRL Charter Life Member, Hart spent more than four decades as a member of the ARRL Headquarters staff and continued to be an active amateur and regular participant in Field Day. In 1984, the ARRL Board of Directors named Hart as an ARRL Honorary Vice President.

First licensed in 1929 as W3AMR in Pennsylvania, Hart began his ARRL career in August 1938 as a second operator at the W1AW Maxim Memorial Station, which was new at the time. He took over as Acting Communications Manager in 1942 when then-Acting Communications Manager John Huntoon, W1LVQ, left the ARRL for active duty in the US Coast Guard during World War II. Beginning with the December 1942 issue, Hart contributed almost 1000 articles to QST, with topics ranging from public service to simulated emergency tests to traffic handling pointers; he also penned the monthly columns "Operating News" and "Amateur Radio Public Service." Hart served in the Army Air Force from 1944-1946, returning to his job as a Communications Assistant at ARRL Headquarters under Ed Handy, W1BDI, after the war. During his tenure at the League, Hart served as Communications Assistant, National Emergency Coordinator and ultimately as Communications Manager from 1967 until his retirement in 1978. Read more <http://www.arrl.org/news/national-traffic-system-developer-george-hart-w1njm-sk>.

==> AMATEUR RADIO IN SPACE: TWO HAMS SCHEDULED TO HEAD TO ISS THIS WEEK

NASA will televise the launch and docking of its next mission to the International Space Station (ISS) beginning at 3:30 PM EDT on Thursday, March 28 (1930 UTC). NASA astronaut Chris Cassidy, KF5KDR, and Russian cosmonauts Pavel Vinogradov, RV3BS, and Alexander Misurkin are scheduled to launch from the Baikonur Cosmodrome in Kazakhstan at 4:43 PM EDT (2043 UTC). They will join Canadian Space Agency astronaut Chris Hadfield, VA3OOG/KC5RNJ, NASA astronaut Tom Marshburn, KE5HOC, and Russian cosmonaut Roman Romanenko -- already aboard the ISS -- for Expedition 35. Read more <http://www.arrl.org/news/two-hams-scheduled-to-head-to-iss-this-week>.

==> + AMATEUR RADIO AT THE NATIONAL ASSOCIATION OF BROADCASTERS CONVENTION

The ARRL will be promoting Amateur Radio at the annual convention of the National Association of Broadcasters -- NAB Show -- scheduled for April 6-11 at the Las Vegas Convention Center. Members of the Las Vegas Radio Amateurs Club will staff the ARRL booth at NAB, providing attendees with information about Amateur Radio. The booth also serves as a meeting place for radio amateurs attending the convention where they can talk with local leaders, as well as ARRL Pacific Division Director Bob Vallio, W6RGG. Arrangements for the ARRL booth are being provided by NAB Science & Technology Vice President John Marino, KR1O. Read more <http://www.arrl.org/news/amateur-radio-at-the-national-association-of-broadcasters-convention>.

==> + ON THE AIR: ARRL UHF/MICROWAVE BAND PLAN COMMITTEE SEEKS COMMENTS ON DRAFT 5 AND 10 GHZ NATIONAL BAND PLANS

Last year, the ARRL UHF/Microwave Band Plan Committee prepared -- and the ARRL Board of Directors approved -- updated national band plans for the amateur bands between 902 MHz and 3.5 GHz after receiving extensive and helpful input from the user community. Last year, after the ARRL Executive Committee extended the Committee's charter to include the 5 and 10 GHz bands, it solicited additional input concerning usage on those two bands. The Committee has prepared draft band plans for 5 centimeters (5.650-5.925 GHz) and 3 centimeters (10-10.500 GHz). Read more <http://www.arrl.org/news/arrl-uhf-microwave-band-plan-committee-seeks-comments-on-draft-5-and-10-ghz-national-band-plans>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity was down this week, with the average daily sunspot number at 49.6, less than half last week's figure. The average daily solar flux dropped 22 points to 97, and geomagnetic activity was quiet also. Sunspot numbers for March 21-27 were 60, 54, 56, 45, 56, 41 and 35, with a mean of 49.6. The 10.7 centimeter flux was 106.1, 100.9, 98.2, 96, 92.6, 92.4 and 93, with a mean of 97. The estimated planetary A indices were 12, 4, 11, 5, 4, 3 and 14, with a mean of 7.6. The estimated mid-latitude A indices were 11, 2, 10, 6, 3, 2 and 9, with a mean of 6.1. Look for more information on the ARRL website on Friday, March 29. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + SILENT KEY: FORMER ARRL NORTHWESTERN DIVISION DIRECTOR MARY LEWIS, W7QGP (SK)

Mary Lewis, W7QGP, of Seattle, Washington, passed away March 12. She was 85. An ARRL Life Member, Lewis served as ARRL Northwestern Division Director from 1981-1987 and 1991-1995. She also served as ARRL Section Communications Manager for Washington and ARRL Section Manager for Western Washington, as well as ARRL Assistant Section Manager and ARRL Affiliated Club Coordinator for the Western Washington Section. Read

more
<http://www.arrl.org/news/former-arrl-northwestern-division-director-mary-lew
is-w7qgp-sk>.

==> + SILENT KEY: FORMER ARRL PACIFIC DIVISION VICE DIRECTOR ROBERT
SMITHWICK, W6CS (EX-W6JZU) (SK)

Robert "Smitty" Smithwick, W6CS (ex-W6JZU), of Los Altos Hills,
California, passed away March 22. He was 92. An ARRL Life Member,
Smithwick served as ARRL Pacific Division Vice Director from 1978-1981.
A pediatric dentist by trade, Smithwick was one of the founders of
Foothill College, a two-year community college in Los Altos Hills, and
served as the first president of the college's Board of Trustees;
Smithwick Theatre on campus is named in his honor. Read more
<http://www.arrl.org/news/former-arrl-pacific-division-vice-director-robert-s
mithwick-w6cs-ex-w6jzu-sk>.

==> SILENT KEY: NOTED CONTESTER AND DXER LUIS CHARTARIFSKY, XE1L (SK)

Noted DXer Luis Chartarifsky, XE1L, of Mexico City, passed away
Monday, March 18 after a heart attack. An ARRL Life Member,
Chartarifsky held Top of Honor Roll (Phone and Mixed), with all 340
current entities confirmed. He also held DXCC for Mixed, Phone, CW and
RTTY, as well as 5-Band DXCC, and had a total of 354 entities,
including deleted. Chartarifsky was a member of the following major
DXpeditions: TX5K (Clipperton Island), Peter I (3Y0PI), Spratly (9M0M),
Nepal (9N7MD), Western Sahara (S07L), Mali (TZ6RM), Revillagigedo
(XF4L), Easter Island (XR0Y), Juan Fernandez (XR0Z) and Myanmar (XZ0A).
He also operated in contests from various parts of Mexico, the US
(including the Dry Tortugas) and Venezuela. Chartarifsky, who loved to
travel, also operated from Ascension Island, Barbados, Jamaica, the
Russian Polar Station, Aruba and Israel, just to name a few. Read more
<http://www.arrl.org/news/noted-contester-and-dxer-luis-chartarifsky-xe1l-sk>
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==> + ARRL TO CLOSE IN OBSERVANCE OF GOOD FRIDAY

ARRL Headquarters will be closed in observance of Good Friday on
Friday, March 29. There will be no W1AW bulletin or code practice
transmissions that day. ARRL Headquarters will reopen Monday, April 1
at 8 AM Eastern Daylight Time. We wish everyone a safe and enjoyable
holiday weekend.

==> THIS WEEK IN RADIOSPORT

This week:

- March 29 -- NCCC Sprint
- March 30-31 -- CQ WPX Contest (SSB)

Next week:

- April 5 -- NCCC Sprint
- April 6 -- LZ Open 40 Meter Sprint Contest; PODXS 070 Club PSK 31

Flavors Contest (local time)
- April 6-7 -- SP DX Contest; EA RTTY Contest
- April 7 -- Missouri QSO Party
- April 10 -- NAQCC Straight Key/Bug Sprint
- April 10-11 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- March 29-30 -- ARRL Maine State Convention <http://www.arrl.org/hamfests/maine-state-convention-3>, Lewiston, Maine
- March 30 -- ARRL North Carolina State Convention <http://www.arrl.org/hamfests/north-carolina-state-convention-raleigh-hamfest-2>, Raleigh, North Carolina
- April 13-14 -- Communications Academy <http://www.arrl.org/hamfests/communications-academy-2013>, Seattle, Washington
- April 19-20 -- Southeastern VHF Society Conference <http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention <http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia, California
- April 20 -- ARRL Louisiana State Convention <http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-regional-ham-radiofest>, Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention <http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho; Eastern VHF/UHF Conference <http://www.arrl.org/hamfests/eastern-vhf-uhf-conference>, Manchester, Connecticut
- May 4 -- ARRL South Carolina Section Convention <http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfest-1>, Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention <http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention <http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>, Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention <http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,

Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-electronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-colorado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecracker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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146. Amateur Radio Newsline(tm) Report 1859 - March 29 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-29 09:00:12 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130329090003.22DC033C8C@panix2.panix.com>
Source record: 156
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1859 - March 29 2013

Amateur Radio Newsline report number 1859 with a release date of March 29 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. The Wireless Institute of Australia takes a bold stand to try to keep part of the 2300 MHz band; the Nelson New Zealand City Council sides with a ham in a tower dispute; the UK to phase out AM broadcasting by 2016, the FCC grants hams Special Temporary Authority to use TDMA technology; and a special April 1st report on the emerging science of flavored mini-computers. All this and more on Amateur Radio Newsline(tm) report number 1859 coming your way right now.

(Billboard Cart Here)

**

RESTRUCTURING: WIA DECIDES TO FIGHT TO RETAIN PART OF 13 CM IN FACE OF MANDATED REALLOCATION

Australia's national ham radio society says that it's not going to give up the 13 centimeter amateur band without a fight. This after The Australian Communications and Media Authority - the A C M A - proposes to withdraw the 2300 to 2302 MHz segment of the band as of July 2015 so that it can be re-allocated for other uses. Roger Harrison, VK2ZRH, of the WIA News has the details:

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The driver behind the ACMA's proposed move is to create a tidy 100 MHz wide band from 2300 to 2400 MHz for the purpose of Spectrum Licensing by auction.

The 13 cm Amateur band has only a secondary service status at 2300 to 2450 MHz. Primary user status goes to the fixed, mobile and radiolocation services. The 2300 to 2302 MHz segment has been used for narrowband, weak-signal working and this is reflected in the WIA band plan for 13 cm.

In the face of the ACMA's proposal; the WIA intends to fight back. The WIA is preparing a submission that strongly argues for the retention of a 150 kHz-wide allocation at 2300 MHz on at least a co-primary basis. A 150 kHz-wide "line in the sand", you might say.

Some have suggested that the Institute should bargain the loss of 2 MHz in the 13 cm band for more spectrum elsewhere - like the 80 metre DX

window, or securing exclusive access to 50 to 52 MHz, for example. However, the WIA Board has adopted the stance that this is no time to roll over and die on the 13 cm issue, to use the loss of 2 MHz as a bargaining chip when it comes to issues affecting other bands or for that matter, bargaining for a new band elsewhere in the radiofrequency spectrum. Each issue really has to be addressed on its own merits.

This is Rodger Harrison, VK2ZRH.

--

The decision of the Wireless Institute of Australia to stand its ground to keep at least a small part of the 13 centimeter band is not as unusual as it may at first seem. As broadband expands and other services are displaced from their spectrum many are looking for bandspace to relocate. As such the ham radio bands at 420 MHz and above are quickly becoming a prime target of these outsiders. Because of this more and more national ham radio societies are finding that there are only two ways to fight back. The first is to become politically active in their nation. The other is to do what the Wireless Institute of Australia is doing by literally drawing a proverbial do-not-cross line in the sand. (WIA News)

**

RADIO LAW: NELSON NZ CITY COUNCIL BACKS HAM RADIO TOWER INSTALLATION

Some good news for a ham radio operator in Nelson, New Zealand who was being hounded by a neighbor to take down his antenna. This because she said it interfered with her view of the surrounding landscape. The Town Council says that the antenna can stay. Amateur Radio Newsline's Jim Meachen, ZL2BHF, has this follow-up report:

--

According to information supplied by Andrew Mackie, ZL2HZ, the Nelson City Council has no intention to proceed with the complaint filed against a ham radio antenna installation owned by Rick Kiessig, ZL2HAM.

As reported last week, the complainant Dallas Woods had appeared before the City Council alleging that Kiessig's tower and antenna interfered with her landscape overlay view. Among other things she asked council members to change the rules so that amateur radio antennas are no longer a permitted activity in residential zones.

But in a phone call from Rachel Reese on behalf of the entire Nelson City Council, Mackie was told that the council does not intend to proceed with the complaint from Wood's at this time. Nor is it proposing to make any immediate changes to the district land use regulations that permit antenna systems such as that of ZL2HAM. Rather, at some time in the future and only if the land use regulations come up for review, it might possibly take another look at amateur antennas, but limited to geographic areas where the view is perceived to be

important.

According to Mackie, this is a major step towards maintaining the good relations between the Nelson City Council and the areas amateur radio community. It also ensures that continued cooperation in areas of Civil Defense and other activities will not be adversely affected.

For the Amateur Radio Newsline, I'm Jim Meachen, ZL2BHF, in Nelson, New Zealand.

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The bottom line is that the Nelson City Council agrees that Kiessig's tower and antenna installation complies with all relevant regulations and as such and he is free to enjoy his hobby without further outside interference. (ZL2HZ)

**

RESCUE RADIO: UK SAYS AM RADIO TO GO AWAY BY 2016

On the other side of the globe, broadcast AM radio for emergency alerts appears to be on its way out in the United Kingdom. This even though at present it remains the quickest and easiest way to reach the masses in time of national crisis. Jason Law, VK2LAW, has the details:

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UK Government reports indicate an intention to abandon AM broadcast radio for emergency communications and to phase-out AM broadcasting from 2016.

The report Impact of a Radio Switchover on the Government's Emergency Communications Policy says that the coverage of AM services are near universal across the UK, delivered by a small number of transmitters which could more easily be restored in the event of a national disaster. However, while AM services are universally available, the number of households which both have access to and choose to access such services is on the decline.

The declining value of the AM platform is best displayed in the case of the National Attack Warning System or NAWS. The use of the BBC Radio 4 Long Wave frequency to broadcast emergency information nationally in the case of a nuclear attack or similar disaster was formalized through the NAWS arrangements between the BBC and the Cabinet Office. However, as a result of the limitations of this system in the present day, from the falling numbers of Long Wave receivers in homes, to the delay incurred from having to restore transmitters following an attack, the Cabinet Office has since cancelled their NAWS arrangements with the BBC.

I'm Jason Law, VK3LAW, reporting.

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For those interested in some heavy reading, the complete report on the proposed United Kingdom abandonment of AM broadcasting can be found on line at tinyurl.com/uk-am-going-away (WIA News)

**

RADIO RULES: FCC GRANTS ARRL REQUEST FOR STA PERMITING USE OF TDMA

Some good news for those involved in digital voice communications as the FCC says it is OK for hams to use TDMA Technology. At least they can for now as we hear from Amateur Radio Newsline's Norm Seeley, KI7UP:

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The FCC has granted a request from the ARRL for a temporary waiver to sections 97.3(c)(5) and 97.307(f)(8) the Commission's rules. This to allow amateur stations to use additional emission types including Single and Multiple Time-Slot Time Division Access better known as TDMA.

In granting the ARRL request the FCC agreed that such a waiver was warranted so as to permit hams to transmit communications on amateur bands above 30 MHz using single time-slot Time Division Multiple Access systems currently on the market and used by stations in other services. This pending the resolution of a related rulemaking proceeding. The FCC order also dismissed as moot a previously-filed request from ARRL for clarification of the rules as they apply to TDMA digital emissions.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

--

Those interested can read the entire text of the FCC decision to grant this waiver on-line at tinyurl.com/fcc-arrl-tdma. (FCC)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KC6OCA repeater serving Lake Isabella California.

(5 sec pause here)

**

RADIO LAW: CHANGES COMING TO THE LEADERSHIP AT THE FCC

Big changes are coming to the Federal Communications Commission. This as Chairman Julius Genachowski announces his plans to step down from his post in the coming weeks.

Genachowski, a Democrat, was nominated by President Obama and confirmed for the post by the Senate in 2009. The announcement of his departure

comes only a few days after Commissioner Robert McDowell announced he was stepping down from his FCC post. McDowell was the first Republican appointed to an independent agency by President Obama.

According to the on-line newsletter Politico, Genachowski's decision was predicted for months and was likely to come the same week McDowell was to announce that he was resigning. Politico added that since nominations for agencies like the FCC are paired by political party, leaving one seat on the commission for a Democrat and one for a Republican would smooth the path for the new nominees.

The FCC is led by five commissioners who are appointed by the President and must be confirmed by the Senate. They each serve a five year term. (Politico.com and other news sources)

**

LEGAL FINDING: SUPREME COURT SAYS FIRST SALE DOCTRINE NOT GEOGRAPHICALLY LIMITED

The United States Supreme Court has ruled that the "First Sale" doctrine covers a copyrighted work legally made abroad and imported into the United States without the copyright owner's permission. In doing so it overturns a Second Circuit decision that said it did not.

The case was Kirtsaeng versus John Wiley & Sons. Supap Kirtsaeng is a Thai-born U.S. student who imported and resold in the United States less expensive copies of Wiley textbooks manufactured for sale abroad. Wiley took Kirtsaeng to court claiming that the doctrine of First Sale forbids his actions. But in a split 6 to 3 decision, the Supreme Court Justices concluded that there is no geographical limitation on the First Sale doctrine that would limit its application to copies made abroad with the copyright holder's permission.

This decision appears to limit a copyright owner's ability to control geographic distribution of publishing his, her or a company's works. The First Sale doctrine simply means where a book is first printed versus where it's first sold. (B&C)

**

WITH THE LEAGUE: ARRL ANNOUNCES A CAMPAIGN FOR ITS SECOND CENTURY

The ARRL, which celebrates its Centennial in 2014, has launched an unprecedented $10 million fundraising initiative. This for the purposes of building the ARRL Endowment and strengthening the organization's financial future.

Mary Hobart, K1MMH, is the ARRL Chief Development Officer. She says that the vision of the ARRL Second Century Campaign is to secure significant financial resources that will open a path to passionate involvement in Amateur Radio for new generations. Hobart goes on to say that this will provide opportunities for educational enrichment, community service and personal achievement through the exploration and

use of the magic of radio communication.

The Second Century Campaign is being led by the ARRL Board of Directors and an eight-member committee headed by David W. Brandenburg, K5RQ. The campaign has already raised more than $4 million toward the $10 million dollar goal. Plans are to reach the $10 million mark by the end of ARRL's Centennial Year in 2014. More details on the campaign can be found at tinyurl.com/arrl-second-century. (ARRL, Southgate)

**

EMERGING TECHNOLOGY: NEW HEADPHONES SCAN YOUR BRAIN AND PLAY THE MUSIC IT WANTS TO HEAR

A new scientific communications breakthrough of sorts is being reported by Discovery News. It says that the task of building a perfect play-list for your smart phone or other private listening device has just gotten a lot easier thanks to a new brainwave scanning device called the Mico headphones. Amateur Radio Newslines Cheryl Lasek, K9BIK, has more:

--

Mico (pron miko) headphones are a development of a company called Neurowear. The rather interesting looking headphones have what the company calls a electroencephalograph sensor that protrudes to scans the wearers brain patterns to match a person's mood with an appropriate song.

When plugged in to a smart device running Mico's app, its claimed that the headphones will detect the wearer's state of mind and select a "neuro-tagged," mood-fitting song from Neurowear's database and play it. The sides of the ear pieces illuminate when music plays and even show symbols correlating to the wearers state of mind such as if the user is sleepy, stressed or highly focused.

Currently, the headphones are still in the prototype phase. They made their debut at the recent South by Southwestr Conferences and Festival in Austin, Texas, but the Mico Headphones inventor was optimistic they'll be on the market in what they term as the near future.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

You can read more about this latest development in wearable consumer electronics at tinyurl.com/brain-scanning-headphones. The company's website is simply http://neurowear.com. And before you ask, no, these new earphones cannot locate that rare DX station you are hunting for on 20 meters. Well, at least not yet. (Discovery News, Mashable.com)

**

NAMES IN THE NEWS: G4CNV WINS AF HARVEY ENGINEERING RESEARCH PRIZE

Some names in the news. The Institution of Engineering and Technology reports that Professor Hugh Griffiths, G4CNV, has been awarded the A.F. Harvey Engineering Research Prize. The organization says that Griffiths is one of the leaders in research into bistatic radar where the transmitter and receiver are located separately, rather than using a single antenna. The £300,000 pound check that comes with this honor will enable Griffiths to continue his investigations in bistatic radar. 300,000 British Pounds is about $456,000 United States dollars. More on bistatic radar and the award to G4CNV is on line at tinyurl.com/uk-radar-award. (Southgate)

**

NAMES IN THE NEWS: REP. GREG WALDEN W7EQI TO DELIVER REMARKS AT NAB SHOW

Sequestration not withstanding, the National Association of Broadcasters has announced that U.S. Representative Greg Walden, W7EQI, will be a speaker at this year's NAB Convention in Las Vegas, Nevada. Walden, who chairman of the Communications and Technology Subcommittee of the House Committee on Energy and Commerce, will discuss his career in broadcasting and legislative issues as one of the speakers at the convention's opening session on Monday, April 8th.

By way of background, Greg Walden has represented Oregon's Second Congressional District since 1998. He also spent more than two decades as a radio station owner and uses his small business and technology experience as chairman of the House committee he serves on. In November 2012, W7EQI was unanimously elected to serve as chairman of the National Republican Congressional Committee. (TV Technology)

**

HAM HAPPENINGS: AMATEUR RADIO OPERATOR'S RECEPTION AT NAB LAS VEGAS

Heil Sound Ltd. will once again be one of the major hosts for this year's Amateur Radio Operator's Reception, to be held in conjunction with the 2013 National Association of Broadcasters Convention in Las Vegas, Nevada.

The Amateur Radio Operator's Reception is traditionally a big draw for hams attending the NAB show. It also attracts those who may have never touched a push-to-talk button or learned Morse code. This is because the nature of broadcasting and of ham radio are both communication.

The 2013 reception will be held on Wednesday, April 10th from 6 p.m. to 8 p.m. Pacific Daylight Time in Ballroom B of the Las Vegas Hotel and Casino. Typically, between 700 to 800 people pack the ballroom, each hoping he will be the lucky winner of one of the door prizes. Everyone attending the reception is eligible to win a door prize, and is handed a raffle ticket upon entering.

This year there are more than 140 prizes to be given away. In addition to those from Heil Sound, others have been donated by broadcast equipment manufacturers, engineering consulting firms, retailers and the American Radio Relay League. The NAB say the 2013 prize list already has a value of more than $14,000.

Again that's the 2013 NAB Amateur Radio Operator's Reception in Ballroom B of the Las Vegas Hotel and Casino on Wednesday, April 10th from 6 to 8 p.m.. Bob, K9EID, and company president Sarah Heil say that that they hope to see you there. (ARNewsline(tm), Heil Sound, NAB)

**

RADIO HAPPENINGS: RADIO CLUB OF AMERICA WELCOMES ABSTRACTS FOR 2013 WIRELESS TECHNICAL SYMPOSIUM

The Radio Club of America is inviting the submission of abstracts for consideration of presentation at its upcoming Wireless Technical Symposium to be held on Saturday November 23rd in Orlando Florida. The club is seeking papers dealing with numerous areas of telecommunications ranging from antennas, broadband, land mobile satellite, semiconductors and amateur radio to name just a few.

If you are interested in being a presenter at this year's symposium, you need to submit a 1 to 3 paragraph abstract by July 1st. Include the title, authors and contact information, a synopsis of the work to be presented, and why you think the work is interesting or important to the wireless industry. Also please keep in mind that the conference planners are looking for specifically technical papers and not marketing presentations and that participants will have to fund their own travel to the Orlando event.

Those that are selected will be given a 20 to 45 minute presentation opportunity on November 23rd, and your paper of any length will be made available on the RCA Website and at the event. Those interested should send their presentation abstracts to the Tech Symposium Chair John Facella at techsymposium (at) radioclubofamerica (dot) org. If you missed that e-mail address it will be in the on-line text edition of this week's Amateur Radio Newsline report. (Radio Club of America)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

CHANGING OF THE GUARD: EVELYN GARRISON, WS7A, - SK

We are very sad to report the passing of one of the most beloved people in the world of amateur radio and in the amateur radio supply industry. This with word that Evelyn Garrison, WS7A, of Sammamish, Washington, passed away in her home on February 26th following a long battle against Cancer.

Best known in ham radio circles as one of the early sales representatives for Icom America, Evelyn went on to form her own organization known as Evelyn Garrison and Associates. Among other things, she and her company were responsible for making Alinco a known and highly respected part of the world ham radio marketplace. More recently she was the marketing representative for Jetstream amateur radio products and introduced the Jetstream brand to all of North America.

Originally from Porter County, Indiana, Evelyn held an Extra class license. In addition to her love of amateur radio, WS7A was an accomplished painter and also enjoyed calligraphy. And no major hamfest or convention was complete without Evelyn's smile and always up-beat conversation to make attendees feel as if they were a member of her own family.

Evelyn Garrison, WS7A, is survived by her four children, four grandchildren and eight great grandchildren. Services were held on Saturday, March 2nd in Issaquah, Washington. An on-line commemorative to her with a guestbook where friends and associates can pay their respects is at tinyurl.com/ws7a-memorial. (ARNewsline(tm))

**

CHANGING OF THE GUARD: 220 REPEATER PIONEER WALTER DIEM, K6PEA - SK

One of the early pioneers of FM and repeaters on the 220 MHz band has left us. This with the passing of Walter "Walt" Diem (PRON: DEEM), K6PEA, of Laguna Hills, California on February 25th.

A career staff member at the Jet Propulsion Laboratory in Pasadena, California, Diem, then WA6PEA got deeply involved in ham radio through the JPL Amateur Radio Club. In 1976 he became interested in VHF and UHF repeater technology. Due to lack of 144 and 440 MHz frequencies available in the Southern California area he decided to break new ground by establish the club's repeater on 220 MHz. That system went on the air in March of 1977.

In 1979, with the split of the Southern California Repeater association into two smaller organizations, Diem became a member of the 220 MHz Spectrum Management Association. There he served on the organizations Technical Committee during the group's formative years.

After his retirement from JPL Diem moved to Laguna Hills, California, to be closer to his son. When the FCC made vanity calls available, Diem briefly held W6CWD, but then realized most people remembered him for the letter P in his original call and so traded W6CWD for K6PEA. This was the call which he held at the time of his passing. A memorial

celebration of Walt Diem's life was held on Tuesday, March 19th. (W6EJJ, KW6J)

**

WORLDBEAT: WIA NATIONAL FIELD DAY WEEKEND APRIL 13 - 14

>From down-under, word that registrations are just starting to be received for the 2013 Wireless Institute of Australia National Field Day takes place on the weekend of April 13th and 14th. This happens to falls adjacent to the IARU World Amateur Radio Day that falls on Friday, April 18th.

The Wireless Institute of Australia National Field Day is not a contest. Rather its aim is to introduce amateur radio to the general public and hopefully to attract more people into the hobby. At the same time it presents an opportunity for VK hams to hone their emergency communications skills. Details on the 2013 Wireless Institute of Australia National Field Day can be found on line at tinyurl.com/WIA-NFD (VK2JI)

**

WORLDBEAT: BBC WORLD SERVICE REDUCES SHORTWAVE BROADCASTS

A new schedule with reduced shortwave transmissions begins on the BBC World Service on April 1st. As part of the change shortwave and medium wave transmissions in English will be reduced to a minimum of 6 hours in total each day. You can read the full BBC announcement at tinyurl.com/BBC-World-English, (Southgate, BBC)

**

RADIOSPORT: THE DAY OF THE YLS CONTEST

The third annual "Day of the YLs' Contest" sponsored by the European Radio Amateurs Organization will be held May 18th and 19th. This purpose of this weekend event is to get as many YL's and XYL's to take to the airwaves at the same time as is possible. Various awards will be available. For more information, frequencies and operating times please see tinyurl.com/yl-contest on the World-Wide-Web. (Southgate)

**

WORLDBEAT: INTERNATIONAL MARCONI DAY

And a reminder that International Marconi Day will take place on April 20th. For more information and to see which stations are taking part in this event please take your web browser to www.gb4imd.com. (IARU)

**

DX

In DX, JR1IZM will be active as 9X0ZM from Rwanda until March 2014. He plans to operate on 80 through 6 meters. QSL via JO1CRA.

VA3QSL is heading to the Caribbean and will be on the air as 8P9HI from Farther Away Cottage, Bayfield, St. Philip, Barbados between April 6th and the 13th. His operation will be holiday style on the High Frequency bands. QSL via his home callsign, direct or via the Bureau.

DF8DX will be on the air from Tanzania as 5H1DX between from April 20th to the 28th. His operation will include the activation of several Islands on the Air entities. Listen out for him on the High Frequency bands and also some Earth-Moon-Earth weak signal operation. If you make contact QSL direct to DF8DX.

Down the calendar a bit K3LP has announced on his Web page that he will be operating from the Antarctica; Port Stanley, the Falkland Islands; Chile, Argentina and Uruguay between February 2nd and 16th of 2014. This is a family vacation so he plans only to be on the air for a few hours at each location. QSL will go via his home callsign

Lastly, Bill Moore, NC1L, at the ARRL DXCC Desk reports that the 2013 9X0ZM operation from Rwanda has been approved for DXCC credit. Cards may now be submitted for this one.

(Above from various DX news sources)

**

THAT FINAL ITEM: A NEW CROP OF FRUIT FLAVORED MINI COMPUTERS ON THEIR WAY

And finally this week, as most hams know the big thing these days in tiny computers is the Raspberry Pie, spelled Pi. This is a computer on a credit-card sized circuit board that's finding a variety of ham radio applications. So as we approached the first of April, our roving reporter, Pierre Pullinmyleg, set out with his trusty 20 meter SSB HT and 33 foot rubber-duckie antenna to unravel the mysteries of the device and to find out if this `pi indeed are square:'

--

When we first tried zee raspberry pi, we found it to be very crunchy even though ve were expecting a more mousse-like consistency. Then ve learned it was a computer and had to spit it out, bit by bit.

Some investigative reporting led us to a secretive group working on new devices similar to zee Rasperry Pi.

Calling themselves zee "Pi R Round Consortium," members of this group are designing several specialized devices, such as zee Pecan Pi, which will control automated nutcrackers. Also in zee works is Cherry Pi, designed for use in lie detectors, and Apple Pi, which will be very expensive and do very little, but is still expected to be highly successful.

Finally, an offshoot of the group in Italy is sticking with the traditional "Pi R Square" formula and has designed a Sicilian Pi, which will make you an offer you cannot refuse.

All of these new devices will be introduced to zee amateur radio community at this year's Dayton Hamvention. Hams there are expected to gobble them up as tasty alternatives to Hara arena hot dogs.

In zee Pie Safe aboard the Good Ship Lollipop, zis is Pierre Pullinmyleg reporting for Newsline.

--

Pierre says that if you found that story a bit hard to swallow, he recommends a little whipped cream and a broad smile. He adds that more about this may or may not be found on-line at tinyurl.com/well-maybe. (Pierre Pullinmyleg April 1st News Service)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV, Australia's WIA News and of coarse roving April 1st reporter Pierre Pullinmyleg, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Davis, W2JKD, from Florida's Sunshine Coast saying 73, a very happy April 1st and we thank you for listening.

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147. 30 Years Ago: AX.25 Level 2 Protocol

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-30 22:05:51 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <5156967b$0$71800$540ea2cf@novia.net>
Source record: 157
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.digital.misc

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: dna <utzoo!decvax!decwrl!sun!megatest!fortune!dsd!dna>
>Subject: AX.25 Level 2 Protocol
>Newsgroups: net.ham-radio
>Date: Mon Mar 28 18:14:03 1983

AX.25 LEVEL 2 PROTOCOL

Terry Fox, WB4JFI
Vice-President, AMRAD
1819 Anderson Road
Falls Church, VA 22043

Abstract

This paper contains the latest draft of the
AX.25 protocol specification. This is the first
public release of this draft. Earlier drafts have
been given to specific inviduals for comment and
as a reference for software development. Changes
should be expected. Please check the AMRAD
Newsletter for announcements of later versions.

History

Over the years there have been several proto-
cols suggested for use at layer 2 of the ISO Open
System Interface Reference Model (OSI-RM) over
Amateur Radio. The one system that has been in
use is based on the IBM SDLC protocol, and it has
been working as far as it went. One of the imme-
diate problems that came up with SDLC was that
its address field of SDLC is very limited (being
one byte long), causing problems if there are many
amateurs on at a time.

Trying to come up with a protocol that everyone would agree to seemed like an almost impossible task a year ago. What we at AMRAD decided to do was to go over the various protocols in use or available to the amateur, figure out the best and worst parts of each protocol and see if the protocol could be "enhanced" to work properly over the amateur radio enviroment. After reviewing the various protocols around and talking with people in the computer networking industry, we decided to push the X.25 standard, modified to allow a larger address field. At about this time, a group of amateurs in New Jersey were coming to the same conclusion, so about mid-June of 1982 the two groups got together and after two weekends came to an "understanding" on a level 2 protocol. The most delicate part of the negotiations between the two groups concerned the name to be given this protocol. In order to not step on anyones toes, it was decided to call the protocol AX.25, which stands for Amateur X.25.

The next step in the evolvement of AX.25 was that in October of 1982, AMSAT hosted a gathering of some of the leaders in amateur packet radio. AMRAD was at the meeting, along with representatives from TAPR, SLAPR, AMSAT, and PPRS. Three days of intense discussion followed, and an agreement was finally reached on a nation-wide compatible protocol. AX.25 was then modified to be compatible with this new protocol (basically the only major changes were an additional extension of the address field, and the addition of a Protocol IDentifier, or PID field).

The rest of this paper will describe the basics of the AX.25 level 2 protocol.

AX.25 Layer 2 Protocol Specifcation

This protocol conforms with the ISO Recommendations 3309, 4335 (including DAD 1&2) and 6256 high-level data link control (HDLC) and uses some terminology found in these documents.

This protocol also conforms with ANSI X3.66, describing ADCCP, balanced mode.

This protocol is written to work equally well in either half- or full-duplex amateur radio enviroments.

This protocol has been written to work equally well for either point-to-point connections, or connections made thru a larger device, such as a metropolitan network controller (MNC).

This protocol does allow the establishment of more than one layer 2 (link layer) connection per device, if the device is so capable.

This protocol also follows in principle the CCITT X.25 recommendation, with the exception of an extended address field and the addition of the Unnumbered Information (UI) frame.

Most layer 2 protocols assume that one large device (generally called a DCE, or data circuit-terminating equipment) is connected to several smaller devices (usually called a DTE, or data terminating equipment). AX.25 assumes that both ends of the link are balanced, thereby eliminating the two different classes of device.

Frame_Structure

Level 2 packet-radio transmissions are sent in small blocks, called frames. These frames are made up of smaller parts, called fields. Fig. 1 shows how the three types of frames are made up. Fig. 1 shows the frames in the same bit order that most packet articles show them. Unfortunately, this method has led to some confusion, since the least-significant bit (LSB) is to the left rather than to the right, as most people would ordinarily assume. I am pointing this out early in this paper to prevent mass confusion as I progress. Later on, I will switch to a hopefully more under standable way of showing the frame ans its compo nents.

Field_Definitions

The frame is made up of several parts, called fields. Each of these fields is made up of an integral number of octets (or bytes), and serves a specific function.

Flag_Field

Since amateur packet radio is a bit-oriented protocol, the only way to tell when one frame is over and another is starting for sure is to delimit each frame with a certain bit sequence both at the beginning and the end. This is the job of the flag field. A flag consists of a zero

followed by six ones followed by another zero, or 01111110 (7E hex). Due to the bit stuffing mentioned above, the only time this sequence is allowed is at the beginning and end of a legitimate frame.

Address_Field

The address field is used to identify both where the frame came from and what the destination of it is. In the CCITT recommendation X.25, this field is only one octet long. This permits at most 256 users per level 2 channel, and since some bits of this field were used for other purposes, the real number of users were about thirty per level 2 channel. Both the HDLC and ADCCP recommendations allowed the address field to be extended, so we decided to extend the address field per their recommendations in the amateur version of X.25 to include the callsigns of both the destination and source amateur radio stations.

The method used to extend the address field will be described shortly.

Control_Field

The control field is used to identify the type of frame and control several attributes of the level 2 connection. It is one octet in length, and its encoding will be discussed in a following section.

PID-Field

The Protocol Identifier (PID) field is used only in information frames, and identifies what kind of layer 3 protocol, if any, is in use. Its encoding is as follows:

M L
S S
B B
xx00xxxx Reserved at the moment.
xx01yyyy AX.25 layer 3 implemented.
xx10yyyy AX.25 layer 3 implemented.
11110000 No layer 3 implemented.
11111111 Escape character. Next byte contains more PID information.

Where:

1. An x indicates a "don't care" bit.
2. A y indicates all combinations used.

Information_Field

The information field is used to convey the actual user data from one end of the link to the other. I fields are allowed in only three tyes of frames, the I frame, the UI frame, and the FRMR frame. The I field can be up to 256 octets long, and should be an even multiple of octets long. Any information in the I field should be passed along the link totally transparently, except for any zero-bit insertion necessary to prevent flags from accidentally appearing in the I field.

Frame_Check_Sequence

The frame-check sequence is a sixteen-bit number calculated by both the sender and receiver of a frame. It is used to make sure that the frame was not corrupted by the medium used to get the frame from the sender to the receiver. It is calculated in accordance with ISO 3309 (HDLC) recommendations.

Bit_Stuffing

In order to assure that the flag sequence mentioned above doesn't accidentially appear any where else in a frame, as the frame is being sent it should be monitored, and if more than five contiguous ones are detected, a zero bit should be added between the fifth and sixth ones, eliminating the possibility of a flag appearing in the frame other than where it belongs. The receiver of five ones, a zero, and more ones should automatically eliminate the inserted zero before passing the data on.

Bit_Order_of_Transmission

With the exception of the FCS field, all other fields in an AX.25 frame should be sent starting with the least-significant bit. In accordance with HDLC practices, the FCS should be sent most-significant bit first.

Frame_Abort

If a frame must be prematurely aborted, at least fifteen contiguous ones should be sent with no bit stuffing added.

Invalid_Frames

Any frame consisting of less than 136 bits, or not bounded by opening and closing flags, or not octet aligned (an integral number of octets) should be considered an invalid frame by the link layer.

Address_Field_Encoding

The address field of all frames should be encoded with both the destination and source amateur callsigns of the frame. If a level 2 amateur "repeater" is to be used, its callsign should also be in the address field. AX.25 follows the HDLC recommended method of extending the address field in order to fit all this information into the address field.

Basically, the way the HDLC address field is extended beyond one octet is to reserve the least-significant bit of each octet for what is called an "extender bit". This bit is set to zero if the next octet contains more address field information, and is set to one if this is the last octet. To make room for this extender bit, the amateur radio call sign information is shifted one bit to the left.

The actual encoding techniques for both non-repeater and repeater operation follows.

Non-Repeater_Address-Field_Encoding

If a level 2 repeater is not being used, the address field is encoded as shown in Fig. 2. The destination address is the call sign of the amateur radio station that the frame is addressed to, while the source address contains the amateur call sign who sent the frame. These call signs are the call signs of the two ends of a level 2 AX.25 link only, not of any other station, such as the destination of a packet going thru an intermediary link. Those addresses should be in a higher layer, not layer 2.

A1 thru A14 are the fourteen octets that make up the two address sub-fields of the address field. The destination sub-address is seven octets long (A1 thru A7), and is sent first. This will allow the receivers of the frame time to check the destination address sub-field and see if the frame is for them while the rest of the frame is being received. The source address sub-field is then sent in octets A8 thru A14. Both of these

sub-fields are encoded in the same manner, except for the last octet having the HDLC address extender bit set. Since they are basically the same, only the destination sub-address will be outlined.

There is an extra octet at the end of each address sub-field that allows room for a Secondary-Station Identifier (SSID) and three additional bits for future expansion. The SSID field allows an Amateur Radio operator to have more than one packet radio station. This is useful when an amateur wants to put up a repeater in addition to his regular station for example.

Appendix A shows a typical AX.25 frame in the non-repeater mode.

Destination Sub-Field Encoding

Fig. 3 shows how an amateur call sign is placed in the destination address sub-field, occupying octets A1 thru A7.

Octet	ASCII	Bin.Data	Hex Data
A1	W	10101110	AE
A2	B	10000100	84
A3	4	01101000	68
A4	J	10010100	94
A5	F	10001100	8C
A6	I	10010010	92
A7	SSID	0RRSSID0	

Bit Position--> 76543210

Fig. 3. Destination Field Encoding

Where:

1. The top octet (A1) is the first octet sent (sort of like popping it off the top of the stack), with bit 0 of each octet being the first bit sent, and bit 7 being the last bit sent.

2. The first (low order or bit 0) bit of each octet is the HDLC extender bit, which is set to zero on all but the last octet in the address field, where it is set to one.

3. The bits marked "R" are reserved bits.
they may be used in an agreed upon
manner in individual networks. If they
aren't implemented, they should be set
to one.

4. The characters of the callsign should be
standard seven-bit ASCII (upper case
only) before being shifted left to make
room for the extender bit. If the
callsign is less than six characters
long, it should be padded at the
trailing end with ASCII spaces between
the end of the callsign and the SSID
octet.

5. The SSID portion of the last octet has
been intentionally left vague at this
point, and is left up to the individual
station to assign. The only recommended
restriction is to reserve the all-one
condition (1111) for an all-call SSID in
case one wants to reach an amateur but
dooesn't know what SSID that amateur
operates under.

Level_2_Repeater_Address-Field_Encoding

If a frame is to go thru a level 2 amateur
packet repeater, there is an additional address
sub-field added to the end of the address field.
This additional sub-field contains the call sign
of the repeater to be used. This will allow more
than one repeater to share the same rf channel,
which has been a problem with the older protocols.
If this field exists, the last octet of the source
sub-field has its extender bit set to zero, indi-
cating that more address-field data follows. The
repeater address sub-field is encoded in the same
manner as the destination and source address sub-
fields, except for one bit in the last octet,
called the "H" bit. The H bit is used to indicate
whether a frame has been repeated or not. This is
necessary to prevent someone from potentially
receiving two identical frames, the one going to
the repeater, and the one coming back from the
repeater. Fig. 4 shows how the repeater address
sub-field is encoded. Appendix B is an example of
a complete frame on its way back from a repeater.

```
-----------------------------------
| Octet | ASCII |Bin.Data|Hex Data|
|---------------------------------|
```

```
| A15 | W |10101110| AE |
| A16 | B |10000100| 84 |
| A17 | 4 |01101000| 68 |
| A18 | J |10010100| 94 |
| A19 | F |10001100| 8C |
| A20 | I |10010010| 92 |
| A21 | SSID |HRRSSID1| |
-----------------------------------
Bit Order --> 76543210
```

Fig 4. Repeater Address Encoding

Where:

1. The top octet is the first octet sent, with bit 0 being sent first, bit 7 sent last of each octet.

2. As with the source and destination address sub-fields discussed above, bit 0 of each octet is the HDLC address extender bit, which is set to zero on all but the last address octet (A21) where it is set to one.

3. The "R" bits are reserved just like in the source and destination sub-fields.

4. The "H" bit is the has-been-repeated bit. It is set to zero on a non-repeated frame, and set to one by the repeater when the frame has been repeated.

It should be noted that some of the advantages of this addressing scheme are mentioned in Appendix C.

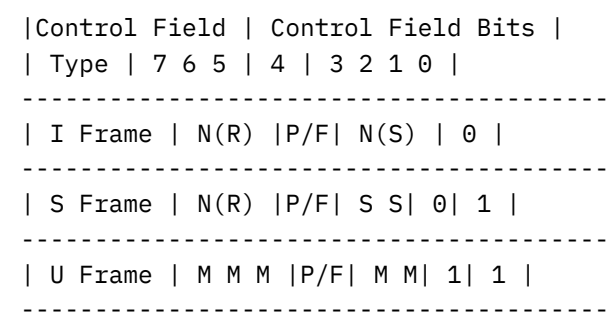
Control_Field_Formats

The control field is responsible for identifying what type of frame is being sent, and is also used to convey commands and responses from one end of the link to the other to maintain proper control over the link.

The control fields used in AX.25 use the CCITT X.25 control fields for balanced operation, with an additional control field taken from ADCCP to allow connectionless and round-table operation.

There are three general types of AX.25 frames. They are the Information frame (I frame), the Supervisory frame (S frame), and the Unnum-

bered frame (U frame). Fig. 5 shows the basic format of the control field associated with these types of frames.



Control Field	Control Field Bits							
Type	7	6	5	4	3	2	1	0
I Frame	N(R)			P/F	N(S)			0
S Frame	N(R)			P/F	S	S	0	1
U Frame	M	M	M	P/F	M	M	1	1

Fig. 5. Control Field Formats

Where:

1. Bit 0 is the first bit sent, bit 7 is the last bit sent of the control field.

2. N(S) is the send sequence number (bit 2 is the LSB).

3. N(R) is the receive sequence number (bit 6 is the LSB).

4. The "S" bits are the supervisory function bits, and their encoding is discussed below.

5. The "M" bits are the unnumbered frame modifier bits and their encoding is discussed below.

6. The P/F bit is the Poll/Final bit. Its function is described in more detail shortly.

Control_Field_Definitions

Information Frame Control Field

All I frames have bit 0 of the control field set to zero. N(S) is the sender's send sequence number (the send sequence number of this frame). N(R) is the sender's receive sequence number (the sequence number of the next expected received frame. These numbers are described in the section regarding flow control.

Supervisory Frame Control Field

Supervisory frames are denoted by having bit 0 of the control field set to one, and bit 1 of the control field set to zero. S frames provide supervisory link control such as acknowledging or requesting retransmission of I frames, and link level window control. Since S frames don't have an information field, the sender's send variable and the receiver's receive variable are not incremented for S frames.

Unnumbered Frame Control Field

Unnumbered frames are distinguished by having both bits 0 and 1 set to one. U frames are responsible for maintaining control over the link beyond what is accomplished with S frames. They are also responsible for the establishment and tearing down of the link. U frames also allow for the transmission and reception of information outside of the normal flow control. Some U frames may contain information fields.

Control_Field_Parameters

Sequence_Numbers_and_Variables

Every AX.25 I frame shall be assigned a sequential number from 0 to 7. This will allow up to seven outstanding I frames per level 2 connection at a time.

Send_State_Variable_V(S)

The send state variable is an internal variable that is never sent. It contains the next sequential number to be assigned to the next transmitted I frame. This variable is updated upon the transmission of each I frame.

Send_Sequence_Number_N(S)

The send sequence number is found in the control field of all I frames. It contains the sequence number of the I frame being sent. Just prior to the transmission of the I frame, N(S) is updated to equal the send state state variable.

Receive_State_Variable_V(R)

The receive state variable is an internal variable that contains the sequence number of the next expected received I frame. This variable is updated upon the reception of an error-free I frame whose send sequence number equals the present received state variable value.

Received_Sequence_Number_N(R)

The received sequence number is in both
I and S frames. Prior to sending an I or S frame,
this variable is updated to equal that of the
received state variable, thus implictly acknow-
ledging the proper reception of all I frames up to
and including N(R)-1.

Poll/Final_(P/F)_Bit

The P/F bit may be used in all types of
frames. It is used in a command (poll) mode to
request an immediate reply to a frame. The reply
to this poll is indicated by setting the response
(final) bit in the appropriate frame. Only one
outstanding poll condition per direction is al-
lowed at a time.

Control_Field_Encoding

Information_Frame_Control_Field

The information frame control field is
encoded as shown in Fig. 6. These frames are
sequentially numbered to maintain control of their
passage over the link level connection.

Control Field Bits
```
-------------------------
| 7 6 5 | 4 | 3 2 1 | 0 |
-------------------------
| N(R) |P/F| N(S) | 0 |
-------------------------
```
Fig. 6. I Frame Control Field

Supervisory_Frame_Control_Field

The supervisory frame control fields are
encoded as shown in Fig. 7. In AX.25, S frames
are used only as responses to other frames.

```
-----------------------------------------------
| Control Field Bits | 7 6 5 | 4 | 3 2 | 1 0 |
|---------------------------------------------|
| Receive Ready RR | N(R) |P/F| 0 0 | 0 1 |
|Receive Not Ready RNR | N(R) |P/F| 0 1 | 0 1 |
| Reject REJ | N(R) |P/F| 1 0 | 0 1 |
-----------------------------------------------
```
Fig. 7. S frame control Fields

Receive_Ready_(RR)_Response

Receive Ready is used to do the fol
lowing:

1. To indicate that the sender of the RR is
now able to recieve more I frames.

2. To acknowledge properly received I
frames up to, and including N(R)-1.

3. To clear a previously set busy condition
created by an RNR command having been
sent.

It should be noted that the status of
the other side of the link can be requested by
setting the poll bit.

Receive_Not_Ready_(RNR)_Response

Receive not ready is used to indicate to
the sender of I frames that receiver is temporari-
ly busy and cannot accept any more I frames.
Frames up to N(R)-1 are acknowledged. Any I frames
numbered N(R) and higher that might have been
caught in between and not acknowledged when the
RNR command was sent are NOT acknowledged.

The RNR condition can be cleared by the
sending of a UA, RR, REJ, or SABM frame. The P/F
bit can be used within the RNR frame to interro-
gate the status of the other side of the link.

Reject_(REJ)_Response

The reject frame is used to request
retransmission of I frames starting with N(R).
Any frames that were sent with a sequence number
of N(R)-1 or less are acknowledged. Additional I
frames may be appended to the retransmission of
the N(R) frame if there are any.

Only one reject frame condition is al-
lowed in each direction at a time. The reject
condition is cleared by the proper reception of I
frames up to the I frame that caused the reject
condition to be initiated.

As with the other supervisory responses,
the P/F bit may be used in the REJ frame.

Unnumbered_Type_Frames

Unnumbered frame control fields are
either commands or responses. This standard fol-
lows X.25 as much as possible. The only deviation
from X.25 is in the addition of the Unnumbered
Information (UI) frame from ADCCP. X.25 is de-
signed to work with in full-duplex systems with

only one main device (DCE) and potentially many users (DTEs).

Amateur Radio packet systems differ greatly on both of these respects. Not only is Amateur Radio packet networking done in a half-duplex rf environment, but many DCE/DTE links many be sharing the same channel. Many amateurs have rejected the use of X.25 as a result of these problems. X.25 can easily be enhanced so that it will perform properly over amateur radio.

Fig. 8 shows the layout of U frames implemented within this standard.

Control Field	Type	Control Field Bits							
		7	6	5	4	3	2	1	0
Set Asynchronous Balanced Mode-SABM	Cmd	0	0	1	P	1	1	1	1
Disconnect-DISC	Cmd	0	1	0	P	0	0	1	1
Disconnected Mode DM	Res	0	0	0	P/F	1	1	1	1
Unnumbered Acknowledge-UA	Res	0	1	1	F	0	0	1	1
Frame Reject-FRMR	Res	1	0	0	F	0	1	1	1
Unnumbered Information-UI	Either	0	0	0	P/F	0	0	1	1

Fig. 8. U Frame Control Fields

Set_Asynchronous_Balanced_Mode_(SABM)_Command

The SABM command is used to place 2 stations in the asynchronous balanced mode. This is a balanced mode of operation known as LAP B where DCEs and DTEs are treated as equals.

Information fields aren't allowed in SABM commands. Any outstanding I frames left when the SABM command is issued will remain unacknowledged.

Disconnect_(DISC)_Command

The DISC command is used to terminate a link session between two stations. No information

field is permitted in a DISC command frame. Any outstanding I frames will remain outstanding.

Disconnected_Mode_(DM)_Response

The disconnected mode response is sent whenever the DTE or DCE receives a frame other than a SABM while in a disconnected mode. It is sent to request a set mode command, or to indicate it cannot accept a connection at the moment. The DM response cannot have an information field.

A DCE or DTE in the disconnected mode will respond to any command other than a SABM with a DM response with the P/F bit set to 1.

Unnumbered_Acknowledge_(UA)_Response

The UA response frame is sent to acknowledge the reception and acceptance of a U frame command. A received command is not actually processed until the UA response frame is sent. An information field is not permitted in a UA frame.

Frame_Reject_(FRMR)_Response

The FRMR response frame is sent to report that for some reason the receiver of a command or information frame cannot successfully process that frame and that the error condition is not correctable by sending the offending frame again. Typically this condition will appear when a frame without an FCS error has been received with one of the following conditions:

1. The reception of an invalid or not implemented command or response frame.

2. The reception of an I frame whose information field exceeds the agreed upon length.

3. The reception of an improper N(R). This usually happens when the N(R) frame has already been sent and acknowldeged, or when N(R) is out of sequence with what was expected.

4. The reception of a frame with an information field where one is not allowed, or the reception of an U or S frame whose length is incorrect.

When a CMDR or FRMR frame is sent, an information field is added to the frame that helps to explain where the problem occurred. This information field is three octets long and its contents is shown if Fig. 9 below.

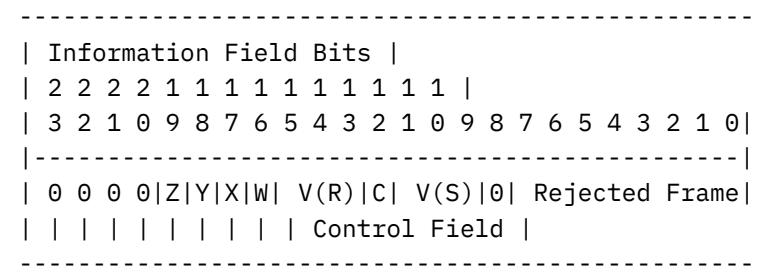


Fig. 9. FRMR Frame Information Field

Where:

1. The rejected frame control field carries the control field of the frame that caused the reject condition. It is in bits 1-8 of the information field.

2. V(S) is the current send state variable of the device reporting the rejection (bit 10 is the low bit).

3. V(R) is the current receive state variable of the device reporting rejection (bit 14 is the low bit).

4. If W is set to 1, the control field received was invalid or not implemented.

5. If X is set to 1, the frame that caused the reject condition was considered invalid because it was a U or S frame that had an information field that is not allowed. Bit W must be set to 1 in addition to the X bit.

6. If Y is set to 1, the information field of a received frame exceeded the maximum capacity of the device reporting the condition.

7. If Z is set to 1, the control field received and returned in bits 1 to 8 contained an invalid N(R).

8. Bits 8, and 20 to 23 are set to 0. Bit 12 is set to 0 if the rejected frame was a command, or 1 if if it was a response.

Unnumbered_Information_(UI)_Frame

The unnumbered information frame is used to pass information along the link outside the normal information controls. This allows information fields to go back and forth on the link bypassing flow control. Since these frames are NOT acknowledgeable, if one gets wiped out, there is no way to recover it.

The UI frame is not defined in X.25. It has been taken from ADCCP to allow uncontrolled information to flow thru the link without interfering with a next higher layer.

Link_Error_Recovery

There are several link-level errors that are recoverable without tearing down the connection. These error situations may occur as a result of malfunctions within the DTE or DCE, or if transmission errors occur.

Invalid_Frame_or_FCS_Error

If an invalid frame is received, or a frame is received with an FCS error, that frame will be discarded with no action taken.

Device_Busy_Condition

When a DTE or DCE becomes temporarily busy, such as when receive buffers are full, it will send a receive not ready (RNR) frame. This tells the other side of the link that the device cannot handle any more I frames at the moment. This condition is usually cleared by the sending of a UA, RR, REJ, or SABM command frame.

Send_Sequence_Number_Error

If the send sequence number , N(S), of an otherwise error-free received I frame does not match the receive state variable, V(R), a send sequence error has occured, and the information field will be discarded. The receiver will not acknowledge this frame, or any other I frames until N(S) matches V(R).

The control field of the erroneous I frame(s) will be accepted so that link supervisory functions can still be performed, such as checking the P/F bit. Because of this updating, the retransmitted I frame may have an updated P bit and N(R).

Reject_(REJ)_Error_Recovery

REJ is used to request a retransmission of I frames following the detection of a sequence error. Only one outstanding reject condition is allowed at a time. This condition is cleared when the requested I frame has been received.

A device receiving the REJ command will clear the error by sending over the I frame indicated in N(R) of of the REJ command frame.

Time-out_Error_Recovery

When a transmission abnormality wipes out a single I frame, or the last I frame of a group, there is no way of telling this immediately, since the receiver does not necessarily know something was sent until another frame is sent resulting in an out-of-sequence error. To cope with this situation better, some form of time-out delay will be incorporated by the sender after it sends out a frame. This time-out timer is started at the time a frame is sent, and stopped by the reception of an acknowledgement for the sent frame. If the timer times out before an acknowledgement is received, any unacknowledged frames are retransmitted. The delay is an agreed-upon amount that will vary with the type of rf medium and signaling speed used.

Rejection_Error

A rejection error condition occurs when an error-free received frame has one of the following problems:

1. An invalid command or response control field.

2. An invalid frame format.

3. An Invalid N(R).

4. An information field that exceeds the maximum the device can accept.

Once a rejection error occurs, no more I frames are accepted (with the exception of the P/F bit still usable) until the error is resolved. The error condition is reported to the other side of the link by sending a FRMR response frame.

Primary/Secondary_versus_Balanced_Operation

There are two basic classes of link-level connections. The first, known as Link Access Procedure (or LAP) is often called an unbalanced service where the DCE is considered the primary (or master) devices and the DTEs are considered secondary (or slave) devices. The second class of service is known as LAPB, Link Access Procedure Balanced. In this service both devices are treated as equals as far as connection requests and other types of commands. There is still only one DCE and potentially many DTEs, but both ends can command the link equally.

Primary/Secondary_(LAP)_Operation

LAP is the older style of link control, where most of the intelligence was assumed to be in a large mainframe (the DCE) and the end users were just using smart terminals (the DTEs). Since network software can have a lot of overhead, it made sense at the time to put most of the overhead in the big computer, and just enough smarts to make the link work in the terminals.

Balanced_(LAPB)_Operation

LAPB is a slightly modified version of LAP. It has been changed to allow the two sides of a link to operate in a more balanced manner. In the official version of X.25 there is still only one DCE to potentially many DTEs, but the two can operate more as equals than master and slave.

LAPB is what this document describes for use over Amateur Radio packet networks. Even when there is a network controller overseeing the network operation, the balanced link procedure will enhance operation.

Connection_Operation

In amateur radio network operations, it would be very helpful if one level 2 protocol would work with the various rf systems in use. An example of this is the difference in operation between a simple two-station link, and multiple stations operating thru a network controller. Obviously, when a network controller exists, it should be considered the DCE, while the other stations connecting to it would be the DTEs. A simple two-station connection is another matter. To this type of connection the station requesting a connection should always be considered the DTE,

while the device that is receiving the connection request should operate as the DCE. This simple rule should eliminate any ambiguity that might otherwise occur under these conditions.

NOTE There are a couple minor changes from the official X.25 standard in the protocol recommended here. These changes are done only as absolutely necessary to work over the shared rf media. Since X.25 was written to work so that one DCE talked with many DTEs over a closed network, it cannot properly cope with a channel where there may be many DCEs linked to many DTEs. Some amateurs have thrown X.25 out because of this problem. It seems to take just a couple minor changes in the initial link set-up procedure to make X.25 work properly over amateur radio. Where these changes are made, both the original X.25 procedure and the recommended amateur procedure will be noted.

LAPB_Procedures

The following describes the procedures used to set-up, use, and disconnect a balanced link between a DTE and DCE. These procedures have been taken from X.25 and conform very closely to that standard, except where it was necessary to change due to the radio enviroment.

Address_Field_Operation

All transmitted frames shall have address fields conforming to above-mentioned rules. All frames should have both the destination device and the source device addresses in the address field, with the destination address coming first. This will allow many links to share the same rf channel. The destination address is always the address of the station(s) to receive the frame, while the source address contains the address of the dveice that sent the frame. The destination address can be a group name or club call however, if point to multi-point operation is allowed. This will be discussed further under link operations.

LAPB_Connection_Establishment

When a device (either a DCE or DTE) wishes to connect to another device, it will send a SABM command frame to that device and start a

time-out timer (T1). If the other device is there and able to connect, it will answer with a UA response frame and at the same time reset both of it's internal state variables (V(S) and V(R)). The reception of the UA response frame at the other end will cause the device requesting the connection to abort the T1 timer and set its internal state variables to 0 also.

If the other device doesn't respond before T1 times out, the device requesting the connection will re-send the SABM frame, and start T1 running again. This trying to establish a connection will continue until the requesting device has tried unsuccessfully a number of times. That number (N1) is variable, depending on the frequency of operation, type of transmission (eg. terrestial vs. satellite), and the signaling speed in use. N1 will be discussed in another section.

Information_Transfer

Once a connection has been established as outlined above, both devices are able to accept I, S, and U frames.

Sending_of_I_Frames

Whenever a station has an I frame to transmit, it will send the I frame with N(S) of the control field equal to it's current send state variable V(S). Once the I frame is sent, the send state variable is incremented by one.

The station should not transmit any more I frames if it's send state variable equals the last received N(R) from the other side of the link plus seven. If it were to send more I frames, the flow control window would be exceeded and errors could result.

If a device is in a busy condition, it may still send I frames as long as the other device is not also busy.

If a device is in the frame-rejection mode, it will stop sending I frames.

Receiving_I_Frames

If a device receives a valid I frame (one with a correct FCS and whose send sequence number equals the receiver's receive state varia-

ble) and is not in the busy condition, it will accept the received I frame, increment it's receive state variable, and act in one of the following manner:

1. If it has an I frame to send, that I frame may be sent with the transmitted N(R) equal to it's receive state variable V(R) (thus acknowledging the received frame. Alternately, the device may send an RR frame with N(R) equal to V(R), and then send the I frame.

2. If there are no outstanding I frames, the receiving device will send an RR frame with N(R) equal to V(R).

If the device is in a busy condition, it may ignore any received I frames without reporting this condition other than repeating the indication of the busy condition.

If a busy condition exists, the station receiving the busy condition indication should poll the sender of the busy indication periodically until the busy condition disappears.

The reception of I frames that contain zero length information fields shall be reported to the next level but no information field will be transferred.

When an I frame is received with a correct FCS, but it's send sequence number does not match the current receiver's receive state variable, the frame should be discarded and a REJ frame should be sent with a receive sequence number equal to one higher (modulo 8) than the last correctly received I frame . Any out-of-sequence received I frames should be handled in this manner. The received state variable and poll bit in such a discarded frame should be checked before throwing it away, and take any action needed depending on the condition of them.

Receiving_Acknowledgement

Whenever an I or S frame is correctly received, even in a busy condition, the N(R) of the received frame should be checked to see if it includes an acknowldegment of outstanding sent I frames. The T1 timer should be reset if the received frame actually acknowledges previously

unacknowledged frames. If the T1 timer is reset, and there are still some frames that have been sent that are not acknowledged, T1 should be started again. If the T1 timer runs out before an acknowledgement is received, the device should proceed to the retransmission procedure.

Receiving_Reject

Upon receiving a REJ frame, the transmitting station will set its send state variable to the same value are the REJ frames received sequence number in the control field. The device will then retransmit any I frame(s) outstanding at the next available opportunity conforming to the following:

1. If the device is not transmitting at the time, and the channel is open, the device may commence to retransmit the I frame(s) immediately.

2. If the device is operating on a full duplex channel transmittiong a U or S frame when it receives a REJ frame, it may finish sending the U or S frame and then retransmit the I frame(s).

3. If the device is operating in a full duplex channel transmitting another I frame when it receives a REJ frame, it may abort the I frame it was sending and start retransmission of the requested I frames immediately.

4. The device may send just the one I frame outstanding, or it may send more than one if any more I frames followed the first one not acknowledged, provided the total to be sent does not exceed the flow control window (7 frames).

If the device recives a REJ frame with the poll bit set, it should respond with either an RR or RNR frame with the final bit set before retransmitting the outstanding I frame(s).

Receiving_an_RNR_Frame

Whenever a device receives an RNR frame, it may transmit or retransmit the I frame whose send sequence number equals that of the received sequence number indicated in the RNR control field. If timer T1 runs out after the RNR was

received, the waiting acknowledgement procedure listed below should be performed. The poll bit may be used in conjunction with S frames to test for a change in the condition of the busied out station. No I frames other than the one mentioned above may be sent out before the busy condition is cleared.

Sending_a_Busy_Indication

Whenever a device enters a busy condition, it will indicate this by sending an RNR response at the next opportunity. While the device is in the busy condition, it may receive and process S frames, and if a received S frame has the P bit set to one, the device should send a RNR frame with the F bit set to one at the next possible opportunity. To clear the busy condition, the device should send either a RR or REJ frame with the received sequence number equal to the current receive state variable, depending on whether the last received I frame was properly received or not.

Waiting_Acknowledgement

The device should maintain an internal retransmission count variable which is set to zero whenever another I frame is acknowledged (either thru the reception of a UA or RNR frame, or when a received I or S frame has an N(R) higher than the last received N(R), showing the acknowledgement of additional I frames).

Any time the timer T1 runs out, the device will re-enter the timer recovery condition, the retransmission count variable will be incremented by one, and another internal variable (X) will be set to the current send state variable value.

The device will then restart the T1 timer, set its receive state variable to the last receive sequence number, and retransmit the corresponding I or S frame with the P bit set to one.

The timer recovery condition is cleared when the device receives a valid S frame with the F bit set to one.

If the device receives an S frame with the F bit set to one and N(R) within the range from the current send state variable to X men-

tioned above inclusive while in the timer recovery condition, this condition will be cleared, and the send state variable will be set to the N(R) received.

If the device receives an S frame with the F bit set to zero but otherwise the same condition as the last paragraph, the timer recovery condition will NOT be cleared. The received N(R) may be used however to update the send state variable. The device may keep the last I frame transmitted (even if it was acknowledged) to be retransmitted with the P bit set to one if timer T1 expires at a later time.

Once the retransmission count variable reaches N2, the device should proceed to the resetting procedures outlined below.

Link_Disconnection

When in the information-transfer phase, either device may initiate a link disconnection by sending a DISC frame. It should then start its T1 timer, and wait for a response. If the proper response doesn't come before T1 times out, it should send the DISC frame again and restart T1. If this happens N2 times, the device should enter the disconnected state.

When a DISC frame is received, the receiver should return a UA response frame, and enter the disconnected state.

Disconnected_State

After having sent a DISC frame and received a UA, or receiving a DISC and having sent a UA, the device will enter the disconnected state.

In the disconnected state, the device may initiate a link set-up as outlined in connection establishment above. It may also respond to the reception of a SABM and establish a connection, or it may ignore the SABM and send a DM instead.

Any station receiving a DISC command while in the disconnected state should send back a DM response frame.

Any device receiving a command frame other than a SABM or UI frame with the P bit set to one should respond with a DM frame with the F bit set to one. The offending frame should also be ignored.

When the device enters the disconnected state after an error condition or if it has recovered from an internal error condition by coming up in the disconnected state, it should indicate this by sending a DM response rather than a DISC frame. It should start the T1 timer when the DM is sent, and if T1 times out before getting a SABM or DISC frame back, it should send another DM frame, and restart T1. After retransmitting the DM frame N2 times, the device will remain in the disconnected state, and no other action will be taken.

Resetting_Procedure

The resetting procedure is used to initialize both directions of flow after a non-recoverable error has occured. This resetting procedure is only used when in the information transfer phase of an AX.25 link.

A device shall request a reset by sending an SABM frame. Upon receiving an SABM frame from a station previously connected to, the receiver of an SABM frame should send a UA frame back at the earliest opportunity. Both devices should then set their send and receive state variables to zero. Any busy condition that previously existed will also be cleared.

It is possible to initiate a disconnect procedure instead of resetting the link.

One device may ask the other to reset the link by sending a DM response frame. After the DM frame is sent, the sending device will then enter the disconnected state.

One device may ask the other to initiate a link reset by transmitting a FRMR response frame.

After sending the FRMR frame, The sending device will enter the frame reject state. This condition is cleared when the device that sent the FRMR frame receives an SABM or DISC command, or a DM response frame. Any other command received while the device is in the frame

reject state will cause another FRMR to be sent out with the same information field as originally sent.

The device that sent the FRMR frame should start the T1 timer when the FRMR is sent. If above mentioned frames are not received before the timer runs out, the FRMR frame should be retransmitted, and the T1 timer restarted as described in the waiting acknowledgement section above. If the FRMR is sent N2 times without success, the link should be reset.

Rejection_Conditions

A device should initiate the link-reset procedure when a frame is received with the correct FCS and address field during the information transfer phase with one or more of the following conditions:

1. The frame is not known as a command or response to the device.

2. The information field is invalid (as an example is longer than 256 octets).

A device will initiate a reset procedure whenever it receives a DM or FRMR response frame during the information transfer phase.

A device may initiate a reset procedure also whenever it receives a UA response frame or if it receives an unsolicited response frame with the F bit set to one.

Collision_Recovery

Collisions_in_a_Half-Duplex_Enviroment

Collisions of frames of any type in a half-duplex enviroment are essentially taken care of by the retry nature of the T1 timer and retransmission count variable. No other special action needs to be taken.

Collisions_in_a_Full-Duplex_Enviroment

Collisions in a full-duplex enviroment are not really frame collisions, but have more to do with the devices being pulled in two different directions at the same time.

Collisions_of_Unnumbered_Commands

If the sent and received U command frames are the same, both devices should send a UA response at the earliest opportunity, and both devices should enter the indicates state.

If the sent and received U commands are different, both devices should enter the disconnected state, and transmit a DM frame at the earliest opportunity.

Collision_of_a_DM_with_a_SABM_or_DISC

When an unsolicited DM response frame is sent, a collision between it and a SABM or DISC may occur. In order to prevent this DM from being misinterpreted, all unsolicited DM frames should be transmitted with the F bit set to zero. All SABM and DISC frames should be sent with the P bit set to one, so there isn't any confusion when a DM frame is received.

Connectionless_Operation

In Amateur Radio circles, there is a type of operation that isn't really feasable using level 2 connections. This operation is the roundtable, where several amateurs may be engaged in one conversation. The only way to accomplish this in a connected mode would be to have everyone cross-connected with each other. This would require a seperate frame to be sent to each member of the roundtable every time someone says something. Obviously, this mode is not practical. The way most amateur packet radio enthusiasts have ended up implementing the roundtable operation is outside the AX.25 connection, but still using the AX.25 frame structure. AX.25 does allow a special frame for this operation, called the Unnumbered Information (UI) frame. It is recommended that when this type of operation is in use, the destination address have a code word installed in it to prevent the users of that particular roundtable from seeing all frames going thru the shared RF medium. An example of this is if a group of amateurs are in a roundtable discussion about packet radio, they could put PACKET in the destination address, so they would only receive frames from others in the same discussion. An added advantage of the use of AX.25 in this manner is that the source of each frame is in the source address sub-field, so software could be written to automatically display who is making what comments.

Admittedly, this is a kludge to the level 2 AX.25 protocol. THis type of operation really belongs at the next layer (layer 3, packet level) of operation, but until layer 3 is implemented, this appears to be an acceptable substitute.

Keep in mind that this mode is connectionless, so all transmitted frames should be of good quality, as there will be no requests for retransmissions of bad frames. Collisions will also occur, with the potential of losing the frames that collided.

List_of_System_Defined_Parameters

Timers

It is recommended that there are two timers used to maintain the integrity of the AX.25 layer 2 connection.

The first timer, T1, is used to make sure a device doesn't wait forever for a response to a frame it sends. This timer cannot be expressed in absolute time, since the time required to send frames varies greatly with the baud rate used at level 1. T1 should be at least twice the time it would take to send a maximum length frame to the other end of the link, and get the proper response frame back from the other end of the link. This would allow time for the other end of the link to do some processing before responding.

The second timer, T2, is used whenever T1 isn't running to make sure that a supervisory frame is sent periodically to maintain link integrity. It also will vary dramatically depending on layer 1 constraints, and is subject for further study.

Maximum_Number_of_Retrys_(N2)

The maximum number of retrys is used in conjunction with the T1 timer. It will vary depending on the layer 1 in use, but will generally be sixteen.

Maximum_Number_of_Octets_in_an_I_Field_(N1)

The maximum number of octets allowed in the I field will be 256. There should also be an even multiple number of octets.

Maximum_Number_of_I_Frames_Outstanding_(k)

The maximum number of outstanding I
frames at a time is seven. A smaller number may
be used at any time, provided it is agreed upon
ahead of time.

First
Bit Sent

Flag	Address	Control	FCS	Flag
01111110	112/168 Bits	8 Bits	16 Bits	01111110

Figure 1A. U and S Frame Construction

First
Bit Sent

Flag	Address	Control	PID	Info.	FCS	Flag
01111110	112/168 Bits	8 Bits	8 Bits	N*8 Bits	16 Bits	01111110

Figure 1B. Information Frame Construction

First
Octet Sent

Address Field of Frame	
Destination Address	Source Address
A1 A2 A3 A4 A5 A6 A7	A8 A9 A10 A11 A12 A13 A14

Figure 2A. Non-Repeater Address Field Encoding

First
Octet Sent

Address Field of Frame		
Destination Address	Source Address	Repeater Address
A1 A2 A3 A4 A5 A6 A7	A8 A9 A10 A11 A12 A13 A14	A15 A16 A17 A18 A19 A20 A21

Figure 2B. Repeater Address Field Encoding

Appendix A. Non-Repeater Frame Example

Octet	ASCII	Bin.Data	Hex Data
Flag		01111110	7E
A1	K	10010110	96
A2	8	01110000	70

```
| A3 | M |10011010| 9A |
| A4 | M |10011010| 9A |
| A5 | O |10011110| 9E |
| A6 | space |01000000| 40 |
| A7 | SSID |01100000| 60 |
| A8 | W |10101110| AE |
| A9 | B |10000100| 84 |
| A10 | 4 |01101000| 68 |
| A11 | J |10010100| 94 |
| A12 | F |10001100| 8C |
| A13 | I |10010010| 92 |
| A14 | SSID |01100001| 61 |
|Control| SABM |00111111| 3F |
| PID | none |11110000| F0 |
| FCS | part 1|XXXXXXXX| HH |
| FCS | part 2|XXXXXXXX| HH |
| Flag | |01111110| 7E |
-----------------------------------
```

The frame shown is an SABM frame, not going thru a level 2 repeater, from WB4JFI (SSID=0) to K8MMO (SSID=0), with no level 3 protocol.

Appendix B. Repeater Type Operation

```
| Octet | ASCII |Bin.Data|Hex Data|
|---------------------------------|
| Flag | |01111110| 7E |
| A1 | K |10010110| 96 |
| A2 | 8 |01110000| 70 |
| A3 | M |10011010| 9A |
| A4 | M |10011010| 9A |
| A5 | O |10011110| 9E |
| A6 | space |01000000| 40 |
| A7 | SSID |01100000| 60 |
| A8 | W |10101110| AE |
| A9 | B |10000100| 84 |
| A10 | 4 |01101000| 68 |
| A11 | J |10010100| 94 |
| A12 | F |10001100| 8C |
| A13 | I |10010010| 92 |
| A14 | SSID |01100000| 60 |
| A15 | W |10101110| AE |
| A16 | B |10000100| 84 |
| A17 | 4 |01101000| 68 |
| A18 | J |10010100| 94 |
| A19 | F |10001100| 8C |
| A20 | I |10010010| 92 |
| A21 | SSID |11100011| E3 |
|Control| SABM |00111111| 3F |
| PID | none |11110000| F0 |
```

```
| FCS | part 1|XXXXXXXX| HH |
| FCS | part 2|XXXXXXXX| HH |
| Flag | |01111110| 7E |
-----------------------------------
```

The above frame is the same as in Appendix A, but with the addition of a repeater address sub-field (WB4JFI, SSID=1). The H bit is set, indicating this is from the output of the repeater.

Appendix C.
Advantages of the WB4JFI Addressing Scheme

Some of the advantages to using this addressing system are:

1. Every packet station will have a unique fixed address that doesn't change every time a new network is logged into.

2. Relocating to a new area won't cause major (or minor) problems.

3. Allows for more than 62 or 31 users at a time.

4. No local packet guru is needed to assign addresses with attendant concerns of backup and transfer during failure.

5. Direct or network operation requires no change of address.

6. All the problems with dynamic allocation/de-allocation are eliminated.

7. Reduces local co-network interference due to users in overlapping local network rf domains with the same address fields.

8. With every frame having both the destination and source addresses in them, it will be a lot easier to set-up and run multiple connections on the same data channel without having problems arise as to who is sending what frames to whom.

9. In round-table operation, every frame sent will have the source address imbedded in it, allowing automatic printing of the source of the frame.

Appendix D. Layer 2 AX.25 State Table

```
-------------------------------------------------------------------------------------------
------------
----------------------------
| State |I with|I with-|RR with|RR with-|REJ with|REJ with-|RNR with|RNR with-| SABM | DIS
C | UA | DM | FRMR |
| | Poll |out P | Final |out F | Final |out F | Final |out F |either|eith
er| either| either | either |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S1 Disconnected | DM | | DM | | DM | | DM | |UA,S5 | DM
| |SABM,S2 | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S2 Link Setup | | | | | | | | UA |DM,S
1 | S5 | S1 | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S3 Frame Reject | FRMR | | FRMR | | FRMR | | FRMR | |UA,S5 |UA,S
1 | |SABM,S2 | SABM,S2|
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S4 Disconnect Rqst | | | | | | | | DM | UA
| S1 | S1 | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S5 Information Xfr | RR | I | I | I | I | I | S9 | S9 | UA |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S6 REJ Frame Sent | RR,S5| I,S5 | I | I | I | I | S15 | S15 |UA,S5 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S7 Waiting Acknow. | RR | I | I,S5 | I | I,S5 | I | S9 | S12 |UA,S5 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S8 Device Busy | RNR | RNR | I | I | I | I | S10 | S10 | UA |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S9 Remote Device | RR | RR | I,S5 | I,S5 | I,S5 | I,S5 | | |UA,S5 |UA,S
```

```
1 |SABM,S2|SABM,S2 | SABM,S2|
| Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S10 Both Devices | RNR | RNR | I,S8 | I,S8 | I,S8 | I,S8 | | |UA,S8 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
| Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S11 Waiting Acknow.| RNR | RNR | I,S8 | I | I,S8 | I | S10 | S13 |UA,S8 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
| and Device Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S12 Waiting Acknow.| RR | RR | I,S5 | I,S7 | I,S5 | I,S7 | | |UA,S5 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
| and Remote Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S13 Waiting Acknow.| RNR | RNR | I,S8 | I,S11 | I,S8 | I,S11 | | |UA,S8 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
| Both Devices Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S14 REJ Sent and | RNR | RNR | I | I | I | I | S16 | S16 |UA,S8 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
| and Device Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S15 REJ Sent and |RR,S9 | RR,S9 | I,S6 | I,S6 | I,S6 | I,S6 | | |UA,S5 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
| Remote Busy | | | | | | | | |
| | | |
|-------------------------------------------------------------------------------------------
------------
----------------------------|
|S16 REJ Sent and | RNR | RNR | I,S14 | I,S14 | I,S14 | I,S14 | | |UA,S5 |UA,S
1 |SABM,S2|SABM,S2 | SABM,S2|
```

```
| Both Devices Busy | | | | | | | | |
| | | |
-------------------------------------------------------------------------------------------------
------------
------------------------------
```

== Relayed by David Altekruse, W6RAW ==


```
-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlFWlkcACgkQ6Pj0az779o7I1gCgthp5Gb+UslRyaCmzyCOznaCG
940An1EKrxckFjUqfPOihZqTQY0+OZVq
=0GqW
-----END PGP SIGNATURE-----
```

148. VE's WANTED

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-31 00:22:15 UTC
From: Channel Jumper <Channel.Jumper.b9d26f8@radiobanter.com>
Message-ID: <Channel.Jumper.b9d26f8@radiobanter.com>
Source record: 158

I had a interesting email from a VE - pertaining to VE's wanted for
Dayton this year.
They are looking for LARC VE members to work a 6 hour shift.
In return, you get into the Dayton Hamfest FREE!

Um - lets see
I drive 5 hours to get there.
I pay $200 a night to stay there
I work 6 hours and I get to walk around for free.
I drive another 5 hours to go home.

That means I put out about $500 to go to the Dayton Hamfest and I have
about 16 hours to spend - realistically, and I give up 6 of those hours
to save $20.00

That is what I would call dedication to amateur radio........

--
Channel Jumper

149. Re: VE's WANTED

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-31 05:10:30 UTC
From: "Michael J. Coslo" <n3licoslo@gmail.com>
Message-ID: <a22803f1-e086-4c78-abb1-9a2837462d2e@googlegroups.com>
Source record: 159

On Saturday, March 30, 2013 8:22:15 PM UTC-4, Channel Jumper wrote:

> That means I put out about $500 to go to the Dayton Hamfest and I have
> about 16 hours to spend - realistically, and I give up 6 of those hours
> to save $20.00

I guess it depends on how you look at things. I put a lot of hours into completely unpaid Amateur radio activities, like VE testing, QSO Party management, and public service functions that if I was paid my typical salary would come out to around 40 thousand dollars a year, calculated by the hour.

It doesn't bother me a bit, and I'm actually having fun doing those things.

150. Re: VE's WANTED

Newsgroup: rec.radio.amateur.moderated
Date: 2013-03-31 19:35:53 UTC
From: Dick Grady AC7EL <richard@richbonnie.com>
Message-ID: <l7ngl81pqspo1jqa3djie2e67uricrtav7@4ax.com>
Source record: 160

On Sat, 30 Mar 2013 20:22:15 EDT, Channel Jumper
<Channel.Jumper.b9d26f8@radiobanter.com> wrote:

>
>I had a interesting email from a VE - pertaining to VE's wanted for
>Dayton this year.
>They are looking for LARC VE members to work a 6 hour shift.
>In return, you get into the Dayton Hamfest FREE!
>
>Um - lets see
>I drive 5 hours to get there.
>I pay $200 a night to stay there
>I work 6 hours and I get to walk around for free.
>I drive another 5 hours to go home.
>
>That means I put out about $500 to go to the Dayton Hamfest and I have
>about 16 hours to spend - realistically, and I give up 6 of those hours
>to save $20.00
>
>That is what I would call dedication to amateur radio........

We are AMATEURS, not professionals.
Everything I do related to amataur radio I do for free, and often it
costs me money.

I lead the local VE exam team. Besides the 2 hours of the actual
exams, I spend another 3 to 4 hours preparing, including answering
questions from exam candidates. It's 20 miles round-trip from my
house to the exam site. And once or twice a year, I drive 100 miles
round-trip to help out at exams in neighboring cities. All for free.

I belong to our local ARES/RACES group. When we run drills, I might
have to drive to remote parts of our valley. As part of our training,
we provide for free communications for events run by local non-profit
organizations. All for free.

Dick Grady, AC7EL

151. FCC Daily Digest 04/01/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-01 16:42:57 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527173-2013.04.01-12.04.27--rec-radio-info#panix.com@info.fcc.gov>
Source record: 161
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 61 April 01, 2
013

[...]

Released: 03/29/2013. AUCTION OF LOWER AND UPPER PAGING BANDS LICENSES S
CHEDULED FOR JULY 16, 2013; NOTICE AND FILING REQUIREMENTS, MINIMUM OPENING
BIDS, UPFRONT PAYMENTS, AND OTHER PROCEDURES FOR AUCTION 95. (DA No. 13-5
35). (Dkt No 13-12) The Wireless Telecommunications Bureau establishes th
e procedures and minimum opening bids for the upcoming Lower and Upper Pagi
ng Bands Auction. WTB http://hraunfoss.fcc.gov/edocs_public/attachmatch/D
A-13-535A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A2.xls
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A3.xls
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A4.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A5.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A2.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A3.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A2.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A3.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A4.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-535A5.txt

[...]

REASSESSMENT OF FEDERAL COMMUNICATIONS COMMISSION RADIOFREQUENCY EXPOSURE
LIMITS AND POLICIES; PROPOSED CHANGES IN THE COMMISSION'S RULES REGARDING H
UMAN EXPOSURE TO RADIOFREQUENCY ELECTROMAGNETIC FIELDS. The Commission re
leases a First Report and Order/Further Notice of Proposed Rulemaking and N
otice of Inquiry regarding the Commission's rules on Human Exposure to RF E
lectromagnetic Fields. (Dkt No. 03-137 13-84). Action by: the Commission
. Adopted: 03/27/2013 by R&O/NPRM. (FCC No. 13-39). OET http://hraunfoss
.fcc.gov/edocs_public/attachmatch/FCC-13-39A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-39A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-39A1.txt

[...]

152. Re: VE's WANTED

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-02 16:20:34 UTC
From: Channel Jumper <Channel.Jumper.b9f7598@radiobanter.com>
Message-ID: <Channel.Jumper.b9f7598@radiobanter.com>
Source record: 162

I travel 50 miles one way, on back country roads to give VE test exams
and to go to club meetings, at least I did until I quit the club.
That is not the point.

If you were going to Dayton - just to look, then it wouldn't matter how
you spent your time. If you were going there to look for bargains -
then you would want to maximize your time.

This wasn't even the point I was trying to make.
The point is - if you are a LARC VE and would like to participate - here
is your opportunity to get in for FREE.

And if you are not a LARC VE - why aren't you?
If you are not a VE at all - the LARC does not require a test to become
a VE.
And if you are a LARC VE - the ARRL will grandfather you in as a ARRL
VE.
I took the test anyways - just to show people that I could do the work
and pass the test.

--
Channel Jumper

153. Re: VE's WANTED

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-03 02:47:34 UTC
From: Bill Horne <bill@horneQRM.net>
Message-ID: <kjg53g$1b7$1@dont-email.me>
Source record: 163

On 3/30/2013 8:22 PM, Channel Jumper wrote:
> I had a interesting email from a VE - pertaining to VE's wanted for
> Dayton this year.
> They are looking for LARC VE members to work a 6 hour shift.
> In return, you get into the Dayton Hamfest FREE!

Please tell us if LARC will accept VE's from other VECs. I plan to go to Dayton this year, and I'm an ARRL VE, so I could help if they'll accredit me.

Bill, W1AC

--
Bill Horne
(Remove QRM from my address to write to me directly)

154. The ARRL Letter for April 4, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-05 00:51:17 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130404202243.5EB4325CCBB@bmail.arrl.org>
Source record: 164
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

April 4, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + Public Service: ARRL Meets with FEMA Administrator Craig Fugate,
KK4INZ
- + FCC News: FCC Seeks to Reassess RF Exposure Limits
- + On the Air: 2013 World Amateur Radio Day -- April 18 -- Celebrates
100 Years of Disaster Communications
- + On the Air: World Radiosport Team Championship 2014 Organizers
Solicit Volunteers for Station Test
- ARRL in Action: What Have We Been Up to Lately?
- ARRL Field Day: Be Ready for Field Day in Official Field Day Gear
from the ARRL
- Solar Update
- + ARRL Recognizes: Carl Luetzelschwab, K9LA, Wins March QST Cover
Plaque Award
- + Silent Key: J. Kenneth Pulfer, VE3PU (SK)
- This Week in Radiosport

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + PUBLIC SERVICE: ARRL MEETS WITH FEMA ADMINISTRATOR CRAIG FUGATE,
KK4INZ

Federal Emergency Management Agency (FEMA) Administrator Craig Fugate,
KK4INZ, met with ARRL leadership at FEMA Headquarters in Washington, DC
last month. Fugate, an ARRL member, spoke with ARRL President Kay
Craigie, N3KN, and ARRL Chief Executive Officer David Sumner, K1ZZ, as
well as ARRL General Counsel Chris Imlay, W3KD, and ARRL Emergency
Preparedness Manager Mike Corey, KI1U, about Amateur Radio's role in
public service and disaster communications.

Fugate wrote on his blog
<http://www.fema.gov/blog/2013-03-29/hi-im-craig-kk4inz#.UVcZeY0va3w.gmail>
about the meeting: "For those of you that are not familiar with Amateur
```

Radio, or ham radio as it is sometimes referred, it is the use of certain radio frequencies as a hobby, to exchange non-commercial messages, as a tool for education and experimentation and for public service community activities, including assisting in emergency communications. As a radio amateur, I enjoyed talking with [the ARRL] about the contributions that hams can make in times of disaster 'when all else fails.'"

Fugate also mentioned that he was looking forward to ARRL Field Day in June, "where I will test my own field gear. It is a great event to encourage first responders and citizens to think about how to prepare for disasters and how to develop a plan for themselves and their communities. And perhaps it will inspire more to consider this great hobby that also has a long and legendary history of public service to the nation. We're grateful to our friends at the ARRL and look forward to partnering with them in exercises and efforts to plan, prepare, respond and recover from future events that we may face."

Fugate -- A Strong Proponent for Amateur Radio

In May 2011, Fugate spoke at an earthquake communications preparedness forum
<http://www.arrl.org/news/fema-administrator-calls-amateur-radio-the-last-line-of-defense>
hosted by the FCC where he described the Amateur Radio operator as "the ultimate backup, the originators of what we call social media." In his remarks, Fugate praised Amateur Radio: "During the initial communications out of Haiti [during the January 2010 earthquake], volunteers using assigned frequencies that they are allocated, their own equipment, their own money, nobody pays them, were the first ones oftentimes getting word out in the critical first hours and first days as the rest of the systems came back up. I think that there is a tendency because we have done so much to build infrastructure and resiliency in all our other systems, we have tended to dismiss that role 'When Everything Else Fails.' Amateur Radio oftentimes is our last line of defense."

At the forum, Fugate said that he thinks "we get so sophisticated and we have gotten so used to the reliability and resilience in our wireless and wired and our broadcast industry and all of our public safety communications, that we can never fathom that they'll fail. They do. They have. They will. I think a strong Amateur Radio community [needs to be] plugged into these plans. Yes, most of the time they're going be bored, because a lot of the time, there's not a lot they're going to be doing that other people aren't doing with Twitter and Facebook and everything else. But when you need Amateur Radio, you really need them."

==> + FCC NEWS: FCC SEEKS TO REASSESS RF EXPOSURE LIMITS

On March 27, the FCC released a First Report and Order, Further Notice of Proposed Rulemaking and a Notice of Inquiry (ET Docket Nos.

13-84 and 03-137). The documents seek to reassess the FCC's RF exposure limits and policies, as well as to propose changes to the FCC's rules regarding human exposure to RF electromagnetic fields. These proposed changes would affect the Amateur Radio Service (Part 97) rules.

In its Notice of Inquiry, the FCC included clarifications related to the application of occupational exposure limits for devices and at fixed transmitter sites. The FCC noted that it "should be helpful to licensees to codify our earlier adopted policy with regard the use of occupational/controlled limits at Amateur Radio stations." This policy was first established in the RF Report and Order of 1996, but it was not incorporated in the rules at that time. It allows amateur stations to be evaluated "with respect to occupational/controlled exposure limits, as long as appropriate training and information has been provided to the amateur licensee and members of his or her immediate household. Other nearby persons who are not members of the amateur licensee's household must be evaluated with respect to the general population/uncontrolled exposure limits."

"The ARRL has an RF Safety Committee, consisting of experts in the field," explained ARRL Chief Executive Officer David Sumner, K1ZZ; "The committee members, as well as Board members and staff are reviewing the lengthy document and will formulate a response." Read more <http://www.arrl.org/news/fcc-seeks-to-reassess-rf-exposure-limits>.

==> + ON THE AIR: 2013 WORLD AMATEUR RADIO DAY -- APRIL 18 -- CELEBRATES 100 YEARS OF DISASTER COMMUNICATIONS

This year marks the 88th anniversary of the founding of the International Amateur Radio Union (IARU). To mark this occasion, the IARU and its more than 160 Member Societies will celebrate World Amateur Radio Day on April 18. For many years, the IARU Administrative Council has declared a theme for each World Amateur Radio Day. The theme for 2013 is Amateur Radio: Entering Its Second Century of Disaster Communications. The theme commemorates the first known use of Amateur Radio in a disaster situation: Herbert V. Akerberg -- a 15-year-old from Hilltop, Ohio -- is believed to be the first person to use Amateur Radio to call for help during a disaster. In late March 1913, the Scioto River in downtown Columbus, Ohio flooded its banks, killing more than 100 people. According to a November 2012 article in The Columbus Dispatch, Akerberg used his home radio transmitter to send SOS calls via Morse code for nearly 72 hours. Read more <http://www.arrl.org/news/2013-world-amateur-radio-day-april-18-celebrates-100-years-of-disaster-communications>.

==> + ON THE AIR: WORLD RADIOSPORT TEAM CHAMPIONSHIP 2014 ORGANIZERS SOLICIT VOLUNTEERS FOR STATION TEST

The WRTC 2014 Organizing Committee will be conducting a capability and training test for the World Radiosport Team Championship stations and volunteers during the 2013 running of the IARU HF Championship, July 13-14. According to WRTC 2014 Co-Chairman Randy Thompson, K5ZD,

the organizing committee is looking for local hams and volunteers willing to visit New England during the contest to assist with station setup and operation; preference will be given to those volunteers who intend to return and assist with the 2014 event. Thompson said the committee is looking to set up and operate up to 30 stations during for the final station test before the WRTC 2014 competition in July 2014. Read more <http://www.arrl.org/news/world-radiosport-team-championship-2014-organizers-solicit-volunteers-for-station-test>.

==> ARRL IN ACTION: WHAT HAVE WE BEEN UP TO LATELY?

This feature is a concise monthly update of some of the things that the ARRL is doing on behalf of its members. This installment -- which covers the month of March -- takes a look at the FCC's decision to grant the ARRL's waiver request for TDMA operation, the 2013 sessions of the ARRL Teachers Institute on Wireless Technology, the ARRL's Second Century Campaign, new League publications, updates from the ARRL Development Office, reports from the Official Observer Desk and more. Read more <http://www.arrl.org/news/arrl-in-action-what-have-we-been-up-to-lately-56>.

==> ARRL FIELD DAY: BE READY FOR FIELD DAY IN OFFICIAL FIELD DAY GEAR FROM THE ARRL

ARRL Field Day <http://www.arrl.org/fieldday>, Amateur Radio's largest on-the-air operating event is June 22-23 -- just a little more than two months away -- so be sure to get your official 2013 Field Day gear before supplies run out.

This year's ARRL Field Day shirt is a white t-shirt <http://www.arrl.org/shop/Field-Day-Shirt-2013> that sports the 2013 Field Day logo on the front, with the ARRL diamond logo and "Ham Radio" on the back. Shirts are available in sizes Small-4XL. The charcoal gray hat <http://www.arrl.org/shop/Field-Day-Hat-2013> -- with the words "ARRL Field Day" and "Ham Radio" embroidered on the front -- has a loop-and-hook closure, ensuring a proper fit. The round pin <http://www.arrl.org/shop/Field-Day-Pin-2013>, with its easy-to-secure post fastener, sports the 2013 Field Day logo. A coffee mug and a patch are new for 2013: The white 11 ounce mug <http://www.arrl.org/shop/Field-Day-Mug-2013> features the 2013 ARRL Field Day logo, while the 3-inch silk-screened patch <http://www.arrl.org/shop/Field-Day-Patch-2013> is perfect for sewing onto a jacket or sweatshirt. The ARRL Field Day Logbook <http://www.arrl.org/shop/Field-Day-Logbook> is set up in the Field Day reporting format and includes dupe sheets and other forms that you need to ensure a successful Field Day.

Clubs, order early! Collect orders from members and place a single order -- pay only $12.50 shipping for orders over $50 (while supplies last). Fulfill all your Field Day apparel needs at the Field Day Supplies section of the ARRL website

<http://www.arrl.org/shop/Field-Day-Supplies/>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity increased over this past week, with the average daily sunspot numbers up 32 points to 81.6, while the average daily solar flux increased more than 16 points to 113.4. The geomagnetic field was active on March 29 due to solar wind. The predicted solar flux is 130 on April 4-8, 125 on April 9, 115 on April 10-11, 125 on April 12, 120 on April 13-14, 115 on April 15, 110 on April 16-17, 105 on April 18-19, and back down to 100 on April 20-21. The predicted planetary A index is 5 on April 4-5, 8 on April 6, 5 on April 7-22, then 12, 8, 18 and 15 on April 23-26, 5 on April 27-29, and rising to 8 for April 30-May 4. Look for more information on the ARRL website on Friday, April 5. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL RECOGNIZES: CARL LUETZELSCHWAB, K9LA, WINS MARCH QST COVER PLAQUE AWARD

The winner of the March QST Cover Plaque Award is Carl Luetzelschwab, K9LA for his article "The Sun and the Ionosphere <http://www.nxtbook.com/nxtbooks/arrl/qst_201303/index.php#/50>." Congratulations Carl! The QST Cover Plaque Award -- given to the author or authors of the best article in each issue -- is determined by a vote of ARRL members on the QST Cover Plaque Poll web page <http://www.arrl.org/cover-plaque-poll>. Cast a ballot for your favorite article in the April issue today.

==> + SILENT KEY: J. KENNETH PULFER, VE3PU (SK)

J. Kenneth Pulfer, VE3PU, of Ottawa, Ontario, passed away Sunday, March 31 after a short illness. He was 80. In 1994, Pulfer became the Secretary, then Secretary Treasurer for the Radio Amateurs of Canada (RAC), that country's IARU Member Society. He also served as the RAC's Vice President for Government Affairs and Vice President for International Affairs. When former ARRL Chief Technology Officer Paul Rinaldo, W4RI, retired in 2009, Pulfer took over as Chairman of the ITU Radiocommunication Sector's Working Party 5A Working Group 1, the "home" of the Amateur and Amateur-Satellite Services in the ITU structure. He served as an IARU Technical Representative for 15 years, culminating with the 2012 World Radiocommunication Conference (WRC-12). Read more <http://www.arrl.org/news/j-kenneth-pulfer-ve3pu-sk>.

==> THIS WEEK IN RADIOSPORT

This week:

- April 5 -- NCCC Sprint
- April 6 -- LZ Open 40 Meter Sprint Contest; PODXS 070 Club PSK 31 Flavors Contest (local time)
- April 6-7 -- SP DX Contest; EA RTTY Contest

- April 7 -- Missouri QSO Party
- April 10 -- NAQCC Straight Key/Bug Sprint
- April 10-11 -- CWops Mini-CWT Test

Next week:

- April 12 -- NCCC Sprint Ladder
- April 13 -- EU Spring Sprint (CW)
- April 13-14 -- Georgia QSO Party; Montana QSO Party; New Mexico QSO Party; JIDX CW Contest; SKCC Weekend Sprintathon
- April 14 -- Hungarian Straight Key Contest
- April 15 -- NAQCC-EU Monthly Sprint

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

Upcoming ARRL Section, State and Division Conventions and Events

- April 13-14 -- Communications Academy <http://www.arrl.org/hamfests/communications-academy-2013>, Seattle, Washington
- April 19-20 -- Southeastern VHF Society Conference <http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention <http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia, California
- April 20 -- ARRL Louisiana State Convention <http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-regional-ham-radiofest>, Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention <http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho; Eastern VHF/UHF Conference <http://www.arrl.org/hamfests/eastern-vhf-uhf-conference>, Manchester, Connecticut
- May 4 -- ARRL South Carolina Section Convention <http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfest-1>, Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention <http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention <http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>, Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention <http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>, Seaside, Oregon

- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-electronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-colorado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecracker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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newsletter), Division and Section news alerts -- and much more!

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155. Amateur Radio Newsline(tm) Report 1860 - April 5 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-05 09:00:18 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130405090004.44FB033C52@panix2.panix.com>
Source record: 165
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1860 - April 5 2013

CLOSED CIRCUIT ADVISORY

The following is a closed circuit advisory and not necessarily for air. With the latest on Amateur Radio Newsline's fiscal situation here's our producer Bill Pasternak, WA6ITF:

--

I want to thank all of you who have donated so far to our spring fund raising. While we set no monetary goal, we can say that things are looking better. However things are far from great. So we need your continued support to help keep threes newscasts coming your way. The easiest way to donate is via Pay Pat at our website at www.arnewsline.org or you can mail a donation to the address you will hear at the end of this weeks newscast. Which ever way you choose, we say thank you.

Im Bill Pasternak WA6ITF and now here is this weeks newscast with Skeeter Nash, N5ASH.

--

Thanks Bill.

Now, Amateur Radio Newsline report number 1860 with a release date of April 5 2013 to follow in 5-4-3-2-1.

The following is a QST. The FCC says it is reviewing RF exposure limits in all radio services; a look at the possible candidates to be the next FCC Chairman; a UK ham's signal is heard 2000 Kilometers away with only 10 milliwatts from a Raspberry Pi transmitter; the tiny Baofeng HT becomes a paradise for makers and hackers and the story of how ham radio help to stop a civil war. All this and more on Amateur Radio Newsline(tm) report number 1860 coming your way right now.

(Billboard Cart Here)

**

RADIO LAW: FCC TO REVIEW RF EXPOSURE POLICIES

Amateur Radio operations on all levels may be impacted by an FCC decision to review the agency's R-F exposure policies. Amateur Radio Newsline's Bruce Tennant, K6PZW explains:

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The FCC is re-evaluating its RF exposure policies. This as the agency says that it wants to update its guidelines and make sure they comply with the National Environmental Policy Act or N-E-P-A requirements for environmental reviews. Especially those related to health and safety of RF emissions from just about all types radio transmitters.

To accomplish this, the commission has released a Report and Order and a Further Notice of Proposed Rulemaking in ET Docket 13-84, and a Notice of Inquiry named ET Docket 03-137.

In the Report and Order the commission concludes several technical and semantic issues initiated in 2003 that revise and update its regulations implementing the National Environmental Policy Act. In the Further Notice the agency proposes to update and revise its procedures and treat all services equally. And in the inquiry the FCC seeks public input to determine whether its RF exposure limits and policies need to be reassessed including those that pertain to amateur radio.

The overall inquiry focuses on the propriety of existing standards and policies, possible options for precautionary exposure reduction, possible improvements to the FCC's equipment authorization process and policies as they relate to RF exposure. The commission proposes to revise and harmonize the criteria for determining whether single or multiple fixed, mobile, or portable RF sources should be routinely evaluated for compliance with the RF exposure limits or exempted from such evaluations.

No matter the outcome, ham radio installations appear likely to be included in any final action. This is because the agency says that it will codify in its rules the extent to which occupation controlled RF exposure limits apply to amateur radio licensees. This policy was established in the RF Report and Order of 1996, but was not incorporated in the rules at that time.

More specifically the FCC says that amateur radio operators are knowledgeable about the appropriate use of their equipment and as such that separation distances are likely to be maintained to ensure compliance with the agency's exposure limits. However, since the existing amateur exemptions are based only on transmitter power and do not consider separation distance or antenna gain, exempt transmitting antennas that are unusually close to people could potentially lead to non-compliant exposure levels.

As one example the FCC cites that a separation distance of at least 24 feet would meet its proposed exemption criteria. This, considering a currently-exempt 50-watt transmitter at VHF in accord with section 97.13(c) and assuming an antenna gain of 6 dBd. The FCC adds that the existing classification of amateur exposure as occupational is consistent with use of its proposed general exemption criteria based on general population exposure limits because awareness of exposure greater than the general population limits is required in all occupational settings, including amateur radio households.

The FCC goes on to state that the application of the general exemptions proposed to amateur radio installations would preclude the possibility of overexposure and require further evaluation only when necessary, giving guidance for both fixed and mobile transmitting antennas. As such it invites comment as to the impact of this proposal on the amateur community.

Parties that support maintaining the current exemption based on power alone are requested to explain how it provides adequate assurance that the public is protected against exposure to RF energy in excess of FCC limits and the extent of the burden imposed by this proposal. The FCC is also encouraging interested parties to comment on the relative costs and benefits of the proposed changes as well as those of alternative approaches.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

--

Both the Report and order and the proposed changes can be read in their entirety in .pdf format at tinyurl.com/fcc-rf-standards-2013. Comments on Docket item 03-137 will be due 90 days after publication in the Federal Register. (FCC, RW)

**

COMMUNICATIONS POLITICS: CHOOSING THE NEXT FCC CHAIRMAN WONT BE POLITICALLY EASY

President Obama will likely face some difficult political decisions over who should replace Federal Communications Commission Chairman Julius Genachowski.

The reported front-runner, Tom Wheeler, faces opposition from some consumer groups over his former ties to the cable and mobile industries, while junior FCC member Jessica Rosenworcel, a favorite of 37 Democratic senators, could prove problematic. This is because the President would have to bypass senior FCC member Mignon Clyburn who is the daughter of Representative James Clyburn of South Carolina's 6th District.

Karen Kornbluh, ex-ambassador to the Organization for Economic Cooperation and Development, and Larry Strickling, the National Telecommunications and Information Administration chief, are seen as possible compromise candidates. Even so, no matter whom the President picks will likely not have an easy confirmation process other than Clyburn or Rosenworcel who are already seated Commissioners.

For a deeper look at the decision that t President Obama faces in making his decision on who will replace Julius Genachowski as head of the FCC please take your web browsers to tinyurl.com/next-fcc-chair. (The Hill)

**

COMPUTER DXING: 2000 KM USING 10 MILLIWATTS FROM A RASPBERRY PI

Eddie Bennett, G3ZJO, of Northampton in the United Kingdom is not making any claims. Even so he may now hold a Q-R-P distance record for a micro power transmission using a Rasberry Pi microcomputer as a transmitter.

Bennett reportedly used the 10 milliwatts of RF that can be generated from the Raspberry Pi computer board to be heard at over 2000 km on the 7 MHz band. The Raspberry Pi board can be made to operate as a WSPR mode transmitter covering Low, High and VHF frequencies up to 250 MHz. G3ZJO connected the board via a low pass filter to a dipole for the 7 and 14 MHz bands. A small Marconi inverted L at a height of only 6 meters was used on 472 kHz.

Among the stations who received his WSPR signal on 40 merters was LA9JO in grid square JP99 at a distance of 2124 km. On 20 meters he was heard by LY2BOS in grid KO24 at a distance of 1736km. 472 kHz did not fare anywhere near as well. Even so he was heard some 80 kilometers away by G4KPX in grid JO02.

If you want to give micro power Raspberry Pi DXing a try, the PE1NNZ code and binary to turn the mini computer into a super QRP signal emitter is available at tinyurl.com/raspberry-pi-transmitter. And we will have some more traditional DX news later on in this weeks newscast. (Southgate)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the Catalina Repeater Association serving Los Angeles and Orange County California from 26 miles across the sea.

(5 sec pause here)

**

RADIO LAW: COALITION OF BROADCAST INVESTMENT WANTS TO PERMIT MORE FOREIGN OWNERSHIP OF US BROADCAST PROPERTIES

If a group representing investment holders in United States broadcast properties has its way then we could see major foreign investment and there-by control of broadcasting here in the United States. Amateur radio Newsline's Stephan Kinford, N8WB, tells us what the broadcast investors want and how the FCC is reacting:

--

The idea of loosening the FCC's restrictions on foreign investment in United States media holdings and vice versa has taken another step. This with the issuance of MB Docket 13-50 by the FCC.

MB Docket 13-50 is based on a letter to the regulatory agency from the Coalition for Broadcast Investment. It says Congress intended the current 25% limit on foreign investment to be a flexible benchmark, not a rigid cap. They also claim that in this age when consumers can get their media from a numerous sources that the restriction is too severe.

The Coalition for Broadcast Investment had previously asked the commission to clarify its policies that restrict foreign ownership and voting interests in entities that hold commission licenses to no more than 25% in the parent company of a broadcast licensee.

This restriction on foreign investment in United States broadcast properties was enacted some 80 years ago. It dates to a time when the Congress believed allowing too much foreign control over a U.S. broadcaster posed a threat to national security. The big question that the FCC must now decide if foreign interests controlling U-S broadcast properties are in the best interest of national security or if they are the same or possibly worse then when the ownership limit was put in place eight decades ago.

For the Amateur Radio Newsline, I'm Stephan Kinford, N8WB, in Wadsworth, Ohio.

--

The FCC is taking public comments on the letter from the coalition as MB Docket 13-50. Comments are due April 15th and replies by April 30th. And you can read an interesting view on this entire matter on the Comm Law Blog. Its in cyberspace at tinyurl.com/foreign-broadcast-ownership. (FCC, RW)

**

ENFORCEMENT FOLLOW-UP: $15000 FLORIDA FINE AFFIRMED

And a follow-up in the case of Florida resident Pierre Nixon Jean who was issue a monetary forfeiture of fifteen thousand dollars on June 14th of 2012. This, for his alleged operation of an unlicensed radio station on the frequency 92.5 MHz in the city of West Palm Beach.

According to the FCC, Jean never filed any form of response to the proposed fine. Therefore, based on the information at hand the FCC affirmed the forfeiture on February 28th and gave Jean the customary 30 days to pay. At airtime it's not known if this forfeiture has or has not been collected. (FCC)

**

ENFORCEMENT FOLLOW-UP: MORE ON BROCKTON MASSACHUSETTS UNLICENSED FM STATION CASE

A follow-up to our recent story about an unlicensed radio station in Brockton, Massachusetts that interfered with aviation communications in the greater Boston area. A warrant has been unsealed in U.S. District Court that details the seizure of radio transmission equipment. We

have more in this report:

--

As reported two weeks ago, the seizure by federal officials on March 1st occurred at the unlicensed station's last known address on Rutland Street in the city of Brockton, Massachusetts. The station is alleged to have been using frequency 91.7 MHz without a license from the FCC. A civil action was brought seeking forfeiture of the equipment because it was allegedly being used in violation of federal law.

According to an affidavit filed with the civil complaint, the unlicensed FM radio station was causing interference to a Federal Aviation Administration frequency of 120.6 MHz. This is one of the primary frequencies used by pilots to communicate with FAA controllers when flying in the Boston metropolitan area. The FCC had previously issued verbal and written warnings to the residents of the Rutland Street address on several occasions, but the radio station continued to broadcast.

Now the government appears to have decided to pursue the matter further. United States Attorney Carmen Ortiz and FCC Enforcement Chief Michele Ellison jointly made the announcement that the case is being prosecuted by Assistant U.S. Attorney Christine Wichers of Ortiz's Civil Division. Exactly what form this prosecution will take is unknown as we go to air.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the newsroom in Los angeles.

--

The Communications Act of 1934 prohibits the operation of radio broadcasting equipment without a license issued by the FCC. The Act also authorizes the seizure and forfeiture of any electronic or radio frequency equipment used to broadcast without such a license. More on this latest development is on-line at tinyurl.com/brockton-followup. (DoJ, FCC)

**

HAM HACKING: BAEFONG UV-3R BECOMES HACKERS PARADISE

The tiny and very inexpensive Baefong (PRON BAY FONG) dual band H-T has developed a big following among the makers and hackers in ham radio. So much so that the DIY site Hack A Day reports on how you can write new firmware for the UV-3R to make it do things that its developers likely never thought of. You can see for yourself what's going on with this tiny set as the hackers and makers have a literal field day with it at tinyurl.com/uv3r-hack. (Hack A Day)

**

RADIO HONORS: RCA SEEKING NOMINATIONS FOR FELLOW STATUS

Radio Club of America members please take note that the organizations Awards Committee is asking you to nominate those among you whom you feel deserves Fellow status in the group. Please download the nomination package in .PDF format at tinyurl.com/rca-fellow-form, fill it out and return it. The deadline for accepting nominations is April 15 and they can be emailed to pat (at) radioclubofamerica (dot) org or faxed to 973-838-7124. According to Wikipedia, Fellows are the highest grade of membership of most professional or learned societies. (RCA)

**

NAMES IN THE NEWS: N4TZ NAMED NEW DIRECTOR OF WPX CONTESTS AT CQ

Some names in the news. First up is Terry Zivney, N4TZ, who has been named Director of the CQ World Wide WPX Contests, effective immediately. Licensed since 1961, Zivney has had numerous top-five USA finishes in the single-operator all-band low power category of various CQ and ARRL DX contests. He also competed in the 2010 World Radiosport Team Championship in Russia, and has had three articles published in the National Contest Journal. Zivney succeeds Randy Thompson, K5ZD, who has been WPX Contest Director since 2008. (CQ)

**

NAMES IN THE NEWS: LATEST HANDHELD RADIO WEBSITE LAUNCHED

Bill Carmichael has launched a website to provide information on the latest handheld radio technology. The site includes product reviews and articles from radio enthusiasts globally discussing what they consider their own best handheld radio gear. Ham radio wise the quad band Yaesu VX-8DR and the dual band Yaesu FT-60R handhelds are among the radios featured on the site. You can read for yourself at www.besthandheldradios.com. (Southgate)

**

NAMES IN THE NEWS: G6LBQ AND 2E0SDR FORM DXKITS PARTNERSHIP

Andy Hunter, G6LBQ, says that he is releasing the MKII version of his multi-band transceiver through a partnership with Adrian Lane, 2E0SDR. The two have formed a company called DX KITS that will operate on-line from their new dxkits.com website that Andy says is operational but still in the development stage. DX Kits will be the sole worldwide supplier for the G6LBQ MKII and all of Andy's future developments. You can follow developments on at dxkits.com as well as the G6LBQ Yahoo group at groups.yahoo.com/group/G6LBQ. (G6LBQ, 2E0SDR)

**

HAMVENTION 2013: A FLEA MARKET HELPING HAND FROM W9FIZ

Barry Gose , W9FIZ, has announced over the Dayton Hamvention reflector that he will be providing a number of really needed services at this year Hamvention gathering. Barry says that he has rented a pair of Flea Market spaces where he will have available free of charge access

to both 110 volts AC line and 12 volts DC for testing newly purchased gear along with a watt meter and dummy load to test the output of HF, VHF and UHF transmitters. He does state that linear amplifiers are excluded.

But that's not all. Barry's booth will also have a vacuum tube tester to check purchased tubes and he also plans on running a paging service on 147.525 MHz simplex in the 2 meter band. Last but by no means least will be access to free advertisement boards for those looking to buy or sell radio gear. He says that you can e-mail him your ads in advance to w9fiz (at) arrl (dot) net or just drop them by his booth on standard 3 inch by 5 inch file cards. Photos are also OK and will be posted if he has room on the board.

There is no charge for any of these services but W9FIZ says that he will graciously accept donations to offset the cost of doing it again next year.

Gose says that the reason he decided to provide this service is that from hearing year after year from other hams that go to Dayton and who ask why someone has not done something like this. Well this year it is going to happen at Flea Market spaces FW 3976 and FW 3977 located along the north fence of the Hara Arena near gate E thanks to Barry Gose, W9FIZ. (Hamvention remailer)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

HAM RADIO SCIENCE: IMPROVED FREED VHF DIGITAL AUDIO SOFTWARE NOW AVAILABLE

A new upgrade to FreeDV has been released. Amateur Radio Newsline's Heather Embee, KB3TZD has the details:

--

FreeDV is a part of a ham radio developed digital audio system that should eventually allow just about any SSB radio and any computer operating system to be teamed together. This to enable transmission and reception of what developers call high quality narrow-band digital audio for the High Frequency amateur radio bands.

To make this happen speech is compressed and then modulated onto a 1100 Hz wide QPSK signal which is sent to the microphone input of a SSB

radio. On receive, the signal is demodulated and decoded by the FreeDV software.

The new upgrade called version dot 96 became available on March 23rd. It provides a 1600 bit-per-second mode that communicates at much lower signal levels than previously envisioned. As such, signals should be readable down to a 2 dB Signal to Noise Ratio, and long-distance contacts have already been reported using only 1 to 2 watts power. A compatibility mode for communication with the older dot 91 version is included.

Developers say that an executable program for Windows is presently available. Also that Linux and other platforms will follow shortly.

FreeDV was brought into being by an international team of radio amateurs working together on coding, design, user interface and testing. It is open source software, released under the GNU Public License version 2.1. The FDMDV modem and Codec 2 Speech codec used in FreeDV are also open source.

For the Amateur Radio Newsline, I'm Heather Embee, KB3TZD, in Berwick, Pennsylvania.

--

The new version of FreeDV for Windows along with documentation and a demonstration video is available from freedv.org. (VK2JI)

**

WORLDBEAT: FINAL IARU-R1 VIENNA 2013 PAPERS RELEASED

Turning to international news, the final set of VHF/UHF/Microwave papers for presentation at the International Amateur Radio Union Region 1 Interim meeting have been released. Included are such topics as Increased Amateur-Satellite Service 144MHz Usage; Recommendations for DATV Transmission; a Region 1 Satellite Coordinator Report; New Narrow-Band working frequencies in the 2300-2450 MHz band and 2400MHz Amateur Satellites. The meeting will be held in Vienna, Austria, on April 20th to the 21st. You can download these papers for your own reading at tinyurl.com/iaru-vienna-presentations. (IARU-R1)

**

WORLDBEAT: YOUNGSTERS ON THE AIR CAMP 2013

The 2013 "Youngsters On The Air" European youth radio camp will be held near Tartu, Estonia from August 5th to the 12th.

This year there will be 10 teams participating from different member societies of Region One of the International Amateur Radio Union. During the week long event the young radio amateurs will be participating in different activities including contesting, visiting radio station installations, a radio observatory and much more.

The 2013 camp is organized by the Estonian Radio Amateurs Union. Two previous "Youngsters On The Air" events in Romania and Belgium and the Netherlands have shown that it will be a great experience for the Europe's young hams which they will likely never forget. (IRTS)

**

WORLDBEAT: AUSTRALIA'S NORTH QUEENSLAND HAM CONVENTION IN JEOPARDY

Australia's North Queensland Amateur Radio convention in jeopardy and could be cancelled. This as word that the Charters Towers convention venue has had to close its doors due to poor local patronage and mounting debts.

The Wireless Institute of Australia News Service reports that moves are afoot to find another single locations or combination of venues in Charters Towers area to house the North Queensland ham radio outing. More information will be made public as it becomes available. (TATC Inc., WIA)

**

PROPAGATION STUDY: NEW 70CM BEACON FROM DENMARK

A new 70cm beacon based upon the Next Generation Beacon platform has come to the airwaves from Denmark. The OZ7IGY beacon on 432.471 MHz became operational on March 30th and is expected to remain very stable in frequency as the transmitter is locked to a GPS receiver.

The transmission sequence is timed to start at 00 second sending PI4 followed by a short pause then CW ID sending callsign and locator. Its then is in carrier only mode until next cycle begins.

The OZ7IGY 70 centimeter beacon joins its counterparts on 6, 4 and 2 meters operating from the same location and running the same ttransmission sequence. All four use the PI4 digital modulation system which was specifically designed to work with beacons and propagation studies in mind. You can download the PI-RX to decode PI4 at tinyurl.com/pirx-beacon-software. (DX News)

**

DX

In DX, a team of 15 German operators will be active as 5W0M from Le Lagoto, Samoa through April 18th. Operation will be on 80 through 6 meters using CW, SSB and RTTY plus 2 meter EME. They plan to have four stations active simultaneously. QSL HF through 6 meters via DL4SVA, direct or by the Bureau and EME QSOs to DL9MS.

CT1FTR is now active from the Sudan as ST2FT operating both the HF and VHF bands using a Yaesu FT-857 and a loop antenna. Word is that he will be there until June. QSL via CT1FTR.

H3QFL and JH3AZC will be operational as V6H and V6S respectively from Pohnpei Island beginning April 29th and continuing through May 5th.

They will be active on 80 through 6 meters using SSB, CW, and RTTY and JT65. QSL direct to each operators home call.

2E1EUB will be operational from eastern side of Scotland in the Cairngorms National Park as 2M1EUB through April 13th. Activity will be on 160, 80, and several satellites as well as 2m SSB. Check out QRZ.com under 2M1EUB for more information.

DL6JGN and DL2AWG will be on the air from Tokelau as ZK3N between April 15th and the 30th and not April 23rd and May 8th as first announced. The reason for the date change is that the shipping service used has changed it boat schedule from Samoa to the Tokelau Islands. If you work this one QSL as directed by the operators.

A group of at least fourteen operators and growing are expected to be on the air from Amsterdam Island for 18 days beginning on January 15th of 2014. Further information will be released as things progress toward the operations start-up date.

Lastly, members of Mexico's Club de Radio Experimentadores de Occidente are celebrating the 80th anniversary of the founding of their organization using the special callsign 4A1TD. Look for this call during various contests as throughout the year. The QSL Manager is XE1GZU.

(Above from various DX news Sources)

**

THAT FINAL ITEM: HAM RADIO STOPS A CIVIL WAR

And finally this week the story of ham radios connection to ending a war. Heres Jason Law, VK2LAW:

--

To stem the flow of weapons from Mozambique into KwaZulu-Natal, a two-man special operations team was inserted into Mozambique for this mission.

One of those two persons was Anthony Turton, selected in part because of his skills as a radio operator, which was deemed to be a necessary element for the success of this high risk but strategically important mission.

Anthony used these skills, honed to a high level of technical competence as an active radio amateur, to gain strategic access to the rebel group RENAMO.

Anthony has now authored a book "Shaking Hands with Billy' which tells this story for the first time.

With international news, I'm Jason, VK2LAW.

--

The book that Jason mentions; Shaking Hands With Billy is published by Just Done Productions in Durban, South Africa but appears to only be available at the website www.shakinghandswithbilly.com. That's where you will also find more biographical information on the author as well. (WIA News)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Skeeter Nash, N5ASH, near Houston, Texas, saying 73 and we thank you for listening.

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156. FCC Daily Digest 04/08/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-08 16:23:27 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527289-2013.04.08-11.47.45--rec-radio-info#panix.com@info.fcc.gov>
Source record: 166
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 66 April 08, 2
013

[...]

Released: 04/08/2013. OCTOBER 2012 EDITION OF TITLE 47 OF THE CODE OF F
EDERAL REGULATIONS. OMD http://hraunfoss.fcc.gov/edocs_public/attachmatch
/DOC-320029A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-320029A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-320029A1.txt

[...]

157. Deadlines Approaching,-- Apply now for the Teachers Institute and ETP Grants!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-10 18:11:03 UTC
From: ARRL Education Services <memberlist@www.arrl.org>
Message-ID: <20130410160339.7416D242F3@bmail.arrl.org>
Source record: 167
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.info

The deadline for applications for ARRL's 2013 Teachers Institutes is May 15. Spaces are still available in all three sessions.

May 1 is the next deadline for ETP School Station and Progress Grants.

Read more:
www.arrl.org/news/applications-for-teachers-institute-etp-grants-due-in-may

Apply now!

Debra Johnson, K1DMJ

Education Services Manager

ARRL, the national association for Amateur Radio(r)

225 Main Street

Newington, CT 06111-1494

Office:(860) 594-0296

Fax: (860) 594-0259

djohnson@arrl.org

158. The ARRL Letter for April 11, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-11 20:32:59 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130411174353.3401E26C7EF@bmail.arrl.org>
Source record: 168
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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The ARRL Letter

Published by the American Radio Relay League
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April 11, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE
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- + New Legislation in Idaho Clarifies Exemption for Guyed Amateur Radio Towers
- + Julie N. Zoller, KJ4EMJ, Named to Senior State Department Telecom Post
- + Amateur Radio in the Classroom: Applications for Teachers Institute, ETP Grants Due in May
- + On the Air: The 2013 SSB Rookie Roundup Is Here!
- + Dayton Hamvention® Awards Committee Withdraws 2013 Amateur of the Year Award
- Solar Update
- + ARRL Recognizes: ARRL Announces Winners of 2013 Video Contest
- This Week in Radiosport

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+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + NEW LEGISLATION IN IDAHO CLARIFIES EXEMPTION FOR GUYED AMATEUR
RADIO TOWERS

On April 1, Idaho Governor C. L. "Butch" Otter (R) signed Senate
Bill 1065 into law. This new law is an amendment to a current Idaho law
regarding guyed towers, which states that guyed towers "shall be
lighted, marked and painted or otherwise constructed to be visible in
clear air during daylight hours from a distance of not less than 2000
feet." With the passage of SB 1065, both guyed Amateur Radio and CB
antenna support structures are exempt from these regulations.

According to ARRL Idaho Section Manager Ed Stuckey, AI7H, Governor
Otter signed the original legislation into law in 2012, but there was
an exemption for telecommunications towers. "This year, we went back
[to the legislature] to specifically define Amateur Radio towers as one
of the types of telecommunications towers," he said, "ARRL Idaho
Section Government Liaison Rex Green, K7DMV, put a huge amount of
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effort into firming up the groundwork behind the legislation. We also had the good fortune to have Idaho State Senator Lee Heider, KE7GAG, take an interest in the legislation, and he acted as the Senate sponsor for the bill." Read more <http://www.arrl.org/news/guyed-tower-legislation-in-idaho-to-exclude-amateur-radio-towers>.

==> + JULIE N. ZOLLER, KJ4EMJ, NAMED TO SENIOR STATE DEPARTMENT TELECOM POST

Julie N. Zoller, KJ4EMJ, has succeeded Richard C. Beaird at the Department of State as Senior Deputy Coordinator of the Office of Multilateral Affairs, Communications and Information Policy Directorate, Economics and Business Affairs Bureau. In this position, she will serve as principal advisor to the United States Coordinator for International Communications and Information Policy. Beaird retired at the end of January after a distinguished career in government service. Read more <http://www.arrl.org/news/julie-n-zoller-kj4emj-named-to-senior-state-department-telecom-post>.

==> + AMATEUR RADIO IN THE CLASSROOM: APPLICATIONS FOR TEACHERS INSTITUTE, ETP GRANTS DUE IN MAY

Attention, teachers who are thinking about using Amateur Radio and wireless technology in their classrooms to help facilitate hands-on learning opportunities. The ARRL's Education & Technology Program offers two programs that can help make this happen, but the application deadlines are fast approaching: The deadline for the 2013 Teachers Institute on Wireless Technology is May 15, while the deadline for equipment and resource grants is May 1. Read more <http://www.arrl.org/news/applications-for-teachers-institute-etp-grants-due-in-may>.

==> + ON THE AIR: THE 2013 SSB ROOKIE ROUNDUP IS HERE!

The weather's getting warmer and that means the bands will be hot for the ARRL SSB Rookie Roundup, Sunday, April 21, 1800-2359 UTC. Created to give the budding operator a place to learn about contesting at an easier pace, the ARRL Rookie Roundup is a six hour contest open to all amateurs who first got their ticket in 2011, 2012 or 2013. Even if you were licensed prior to 2011, you can still get on the air and work Rookies, help a Rookie get on the air or help your club members put together a team of Rookies. The contest exchange is easy: send both call signs, your first name and your location, either your US state, Canadian province or Mexican call area. If you're not in one of those areas, send "DX" for your location. Remember: Rookies can work anybody, but non-Rookies can only work Rookies. Read more <http://www.arrl.org/news/the-2013-ssb-rookie-roundup-is-here>.

==> + DAYTON HAMVENTION® AWARDS COMMITTEE WITHDRAWS 2013 AMATEUR OF THE YEAR AWARD

The Dayton Hamvention Awards Committee announced on April 7 that it would be withdrawing its Amateur of the Year Award for 2013. According to Dayton Hamvention General Chairman Charles Kaiser, KD8JZR, the committee had received "conflicting information from credible sources regarding the accuracy of the winning nomination." After verifying these reports, Kaiser made the decision to withdraw the award for 2013. "Unfortunately, this changes the way we score for the Amateur of the Year Award," Kaiser said in a statement <http://www.hamvention.org/awards.php> on the Hamvention website. "Since the competition was close with other nominees, the outcome would have been different." Kaiser then made the decision to not award the Amateur of the Year Award for 2013 to any of the other nominees. The other awards for 2013 -- the Technical Excellence Award, the Special Achievement Award and the Club of the Year Award -- are not affected by Kaiser's decision.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Both the average daily sunspot numbers and the solar flux were up this week, with the sunspot numbers rising nearly 57 points to 138.1, and the average daily solar flux up more than 25 points to 138.8. Paired with the average daily planetary A index dropping from 9.4 to 4.1, this is great news for HF propagation. On April 8, the daily sunspot number reached 162; two days later, it was at 163. This is the highest level since January 11 when it was 166. The solar flux prediction from the USAF and NOAA sees flux values of 150, 145, 140 and 130 on April 11-14, 125 on April 15-16, 120 on April 17, 100 on April 18-19, 95 on April 20-23, and then rising to a peak of 138 through May 5. The predicted planetary A index is 5 on April 11-22, then 12, 8, 18 and 15 on April 23-26, 5 on April 27-May 4, and rising to 8 on May 5. Look for more information on the ARRL website on Friday, April 12. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL RECOGNIZES: ARRL ANNOUNCES WINNERS OF 2013 VIDEO CONTEST

In November, the ARRL invited members to shoot and submit a ham radio-related video in its third annual video contest. After much deliberation, we are pleased to announce the first, second and third place winners. Levi Maaia, K6LCM, took first place and $500 for his outstanding video that highlighted the activities of the Near Space Exploration Club at the Anacapa School in Santa Barbara, California. Second place (and a prize of $250) goes to Kevin Thornton, K5KVN, for his video of the 2012 first-time "activation" of Horseshoe Island, located on Beaver Lake in Northwest Arkansas as part of the US Islands Awards program. David Fugleberg, W0ZF, won third place and $100 for his video showcasing the techniques and excitement of VHF contest "roving" in the Midwest. Watch the winning videos on the ARRL's channel on YouTube <http://www.youtube.com/user/ARRLHQ> or on the ARRL website <http://www.arrl.org/winners>.

==> THIS WEEK IN RADIOSPORT

This week:

- April 12 -- NCCC Sprint Ladder
- April 13 -- EU Spring Sprint (CW)
- April 13-14 -- Georgia QSO Party; Montana QSO Party; New Mexico QSO Party; JIDX CW Contest; SKCC Weekend Sprintathon
- April 14 -- Hungarian Straight Key Contest
- April 15 -- NAQCC-EU Monthly Sprint

Next week:

- April 19 -- Holyland DX Contest
- April 20 -- TARA Skirmish Digital Prefix Contest; ES Open HF Championship; EU Spring Sprint (SSB); Feld Hell Sprint
- April 20-221 -- Michigan QSO Party; North Dakota QSO Party; Ontario QSO Party; CQ Manchester Mineira DX Contest; YU DX Contest
- April 21 -- ARRL Rookie Roundup (SSB) <http://www.arrl.org/rookie-roundup>
- April 22 -- Run for the Bacon QRP Contest
- April 24 -- SKCC Sprint; 432 MHz Spring Sprint (local time)
- April 24-25 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

Upcoming ARRL Section, State and Division Conventions and Events

- April 13-14 -- Communications Academy <http://www.arrl.org/hamfests/communications-academy-2013>, Seattle, Washington
- April 19-20 -- Southeastern VHF Society Conference <http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention <http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia, California
- April 20 -- ARRL Louisiana State Convention <http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-regional-ham-radiofest>, Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention <http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho; Eastern VHF/UHF Conference <http://www.arrl.org/hamfests/eastern-vhf-uhf-conference>, Manchester, Connecticut
- May 4 -- ARRL South Carolina Section Convention <http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfest-1>, Spartanburg, South Carolina

- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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159. Amateur Radio Newsline(tm) Report 1861 - April 12 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-12 09:00:18 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130412090003.7CDC833C9B@panix2.panix.com>
Source record: 169
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1861 - April 12 2013

Amateur Radio Newsline report number 1861 with a release date of April 12 2013 to follow in 5-4-3-2-1.

The following is a QST. Ham radio developed software is now a part of an ongoing NASA solar observation mission; hams in Hawaii appear safe from a new distracted driving law; Over the Horizon is back on the ham bands; the Dayton Hamvention withdraws its 2013 Radio Amateur of the Year award and a nice place for senior citizen hams to retire. Find out where on Amateur Radio Newsline(tm) report number 1861 coming your way right now.

(Billboard Cart Here)

**

HAM RADIO IN SPACE: AMSAT-DL TURBO CODE NOW ON NASA STEREO SPACECRAFT

Ham radio is now contributing directly to some vital space research. This with the announcement that Turbo Code software written by AMSAT-DL is now in use on the twin NASA STEREO spacecraft. Amateur Radio Newsline's Norm Seeley, KI7UP, has the rest of the story:

--

According to AMSAT-Germany, on April 2, the two NASA STEREO space-based solar observatories permanently switched to Turbo Code to transmit their real-time space weather data back to Earth. A network of four ground stations, located at Germany, France, Japan and amateur radio station DL0SHF in Germany receives the data, and uses software also written by AMSAT-Germany to decode it.

The switch to Turbo Code has reportedly improved reception capabilities of the ground stations by about 2 dB. This is a very welcome improvement given that the two STEREO spacecraft are currently 269 and 286 million kilometers respectively away from Earth.

STEREO which stands for the Solar Terrestrial Relations Observatory is a solar observation mission using two nearly identical spacecraft. They were launched in 2006 into orbits around the sun that cause them to respectively pull farther ahead of and fall gradually behind the Earth. This enables stereoscopic imaging of the Sun and other solar phenomena, such as coronal mass ejections and the like.

For the Amateur Radio Newsline, I'M Norm Seeley, KI7UP, in Scottsdale, Arizona.

--

More on the NASA STEREO solar observatory mission is on the web at tinyurl.com/stereo-in-space. (AMSAT-DL)

**

PROPAGATION: INCOMING SOLAR STORM MAY AFFECT RADIO TRANSMISSSIONS AFTER APRIL 13

A strong M6-class solar flare has hurled a Cornal Mass Ejection or CME toward Earth. This after the magnetic field of sunspot AR1719 erupted at 0716 UT on April 11th.

Geomagnetic storms and high-latitude auroras were being predicted when the fast-moving ionized cloud was to reach our planet, on April 13th. Solar forecasters believed that radio, television, satellite and other communications would likely be affected for several days afterward. Keep an eye on spaceweather dot com for the latest updates. (Spaceweather)

**

RESCUE RADIO: HAMS ASSIST IN ARGENTINA FLOODING

Hams in Argentina are reported to be providing communications support in response to the recent flooding to hit that nation. A statement provided by RAYNET-HF on April 6th said that High Frequency nets are currently operating on 7 dot 070 MHz and 7 dot 120 MHz. This is in addition to VHF and UHF repeaters that are being kept on alert by the Radio Club La Plata operating as LU8DZE. There is also a lot of emergency communication taking place through the Facebook Emergenciaslu Amateur group page that is maintained by the Amateur Radio Emergency Service of Argentina. (RAYNET-HF)

**

INTRUDER WATCH: RUSSIAN AND IRANIAN OTH RADAR CAUSING INTERFERENCE ON HF

The dreaded sound of Over the Horizon Radar is again interfering with communications on or near several ham radio bands. Amateur Radio Newsline's Bill Pasternak, WA6ITF, is here with the details:

--

The latest Region One International Amateur Radio Union Monitoring System newsletter reports a Russian Over the Horizon Radar has been transmitting between 3.555 to 3.590 and 3.750 to 3.785 MHz. The signal is always 35 kHz wide with its location believed to be in the area of Makhachkala, in the Caspian Sea.

Amateur radio as well as many other services are being interfered with in the evening hours by this annoying signal source. A letter has been sent to the Russian Radio Society
-- the SRR -- asking for assistance in ending the operation

of this Radar system.

Meantime an Iran based Over the Horizon Radar has been interfering with ham radio operations on the 10 meter band. This Radar is on the air daily on 28.000 to 29.700 MHz transmitting bursts that are 60 kHz wide. The splatter from the signal often covers spectrum 500 kHz or more in bandwidth. The German Department of Post and Telecommunications has sent an official complaint to its counterpart in Iran.

Lastly, the Dutch Datawell buoys are still operating illegally on 10 meters. The Datawell Company was informed that the transmissions are illegal by DK2OM and PA2GRU way back in March of 2012, but so far the company has not responded and the interference continues.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the newsroom in Los Angeles.

--

If you happen across signals in the ham radio bands that you know do not belong there, please send a report to the Intruder Watch Coordinator for the nation that you live in. (IARU R-1 IARUMS Newsletter)

**

RADIO LAW: HAWAII DISTRACTED DRIVING LAW EXEMPTS HAM RADIO

Some good news for hams in Hawaii. A new distracted driving law making its way through the state legislature contains a full exemption for radio amateurs.

Hawaii State Legislature House Bill 980 involving mobile electronics has passed the Senate and has been transmitted back to the House. Testimonies by amateur radio operators have kept the exemption intact to allow hams to operate their radio gear while driving.

This bill is expected to pass, as the State of Hawaii needs a state-level cellular telephone law banning text messaging in order to receive Federal highway safety funds. It lost the funds in 2012 by not having such a law.

>From here, the remaining steps are that a joint conference committee will get together to work out the differences between the House and Senate versions. That whats called the CD1 draft and will have to be ratified in both the Hawaii House and Senate, before finally being transmitted to the Governor for signature. The text of the new mweasure and any updates will be available on-line on Ron Hashiro, AH6RH web page at tinyurl.com/hawaii-cell-law, (AH6RH)

**

HAMVENTION 2013: HAMVENTION RESCINDS RADIO AMATEUR OF THE AWARD TO DL1BDF

The Dayton Amateur Radio Association, sponsor of the annual Dayton Hamvention (R), has withdrawn its 2013 Radio Amateur of the Year Award. Amateur Radio Newsline's Stephan Kinford, N8WB, is in near-by Wadsworth, Ohio, with whats known so far:

--

In early March the Dayton Hamvention Awards Committee announced that it had selected Captain Mustapha Landoulsi, DL1BDF, as its choice for 2013 Radio Amateur of the Year. But on April 4th the Hamvention announced that Landoulsi would not be getting the award after all. In fact, this year, nobody will.

The announcement of the decision to rescind the award came in a posting to the Hamvention website and also distributed on the Hamvention's Yahoo Groups remailer. Both said and we quote:

"We have received conflicting information from credible sources regarding the accuracy of the winning nomination. The General Chairman of Hamvention this year, Charles Kaiser, received these reports and followed up to verify their accuracy. Unfortunately these changes the way we score for the Amateur of the Year award and since the competition was close with other nominees the outcome would have been different. Based on all of this research the decision has been made by the Hamvention General Chairman not to award the Amateur of the Year for 2013."

Captain Landoulsi is a retired Lufthansa airline pilot, had been named recipient of the award for his ongoing work in promoting and developing amateur radio in the Middle East and for organizing delivery of emergency medical equipment and medication to countries in Africa. There was no indication from the Hamvention or its Awards Committee as to the nature of the "conflicting information" or any additional details regarding this action.

In reply to our request for comment on the situation, Captain Landoulsi responded in part that is not the awards cancellation that made him sad. He notes that he already has a number of awards but that collecting awards has not been his goal in life. Rather giving to others and helping every one he can is what his life is all about. DL1BDF added that he will have a more in depth statement for release shortly.

It should be noted that the decision by the Hamvention to rescind the Radio Amateur of the Year Award will have no impact on this year's Technical Achievement, Special Achievement and Radio Club of the Year recipients. These three awards will be presented as originally announced.

For the Amateur Radio Newsline, I'm Stephan Kinford, N8WB, in Wadsworth, Ohio.

--

This is the first time since the Radio Amateur of the Year Award was created back in 1955 that it has been withdrawn after being announced. And as far as we can determine, it's also the first time that this award will not be presented. (Dayton HamventionT, CQ, ARNewsline(tm), others)

**

BREAKING DX NEWS: NCDXF ANNOUNCES MAJOR GRANT TO FT/Z AMSTERDAM ISLAND DXPEDITION

The Northern California DX Foundation has announced a grant of $50,000 to the upcoming FT stroke Z Amsterdam Island DXpedition currently planned for January and February of 2014. This is the second largest grant in the history of the Northern California DX Foundation history. Amsterdam is number 4 on the DX Magazine's Most Wanted List of rare DX locations for 2013. Check www.amsterdamdx.org in the near future for more DXpedition details. (NCDXF)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the N8LC repeater serving Sterling Heights, Michigan.

(5 sec pause here)

**

RADIO BUSINESS: NEW YAESU FT-400DR DIGITAL DUAL BAND MOBILE

Big news in the world of digital VHF and UHF voice communications that the Yaesu FTM-400DR dual band mobile transceiver has received FCC approval, but when it will be available for sale is not known.

According to the Universal Radio website, the new 2 meter and 70 centimeter radio is power selectable at 50, 20 or 5 watts on either band, features wide band receivers covering 108-470 and 800-999 MHz minus the cellular band four scan modes and 500 memories per band and all the other bells and whistles you would expect in a top of the line dual bander. But it's Kevin Sanders Amateur Radio and Scanning Blog adds that reveals the most important aspect of this new rig. That of it being capable of full C4FM FDMA digital voice operation as well as conventional FM. This means it will be the base and mobile radio that will compliment Yaesu's long waited FT1D digital voice hand-held.

How much will the FTM-400DR set you back? At airtime there is no manufacturers suggested price listed. All the Universal Radio website says is that the information shown is preliminary and may be subject to change without notice or obligation. You can take a look at the new Yaesu offering at tinyurl.com/yaesu-digital-mobile. A video of the radio taken at last years Tokyo Hamfair can be seen at tinyurl.com/ftm400. (ARNewsline(tm), Universal Radio, Kevin Sanders

Sanders Amateur Radio and Scanning Blog)

**

CALIFORNIA CB OPERATOR CITED FOR TALKING TO MUCH TO NOBODY

A California CB operator has been cited by the FCC for what amounts to having been long winded while talking to nobody on 11 meter CB. Here's Amateur Radio Newsline's Bruce Tennant, K6PZW, with the details.

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Talking to nobody on 11 meters but taking a long time to say it is the crux of a Notice of Violation issued on March 12th to Joseph Loiacono who lives in the Los Angeles suburb Lakewood.

According to the FCC, back on January 29th the FCC received a complaint of interference to CB radio communications on 27.165 MHz. In response agents from the Los Angeles Office Enforcement Bureau T-hunted the signal and determined that they were coming from an antenna at a residence owned by Mr. Loiacono.

While monitoring the frequency the agents observed someone whom they allege to have been Joseph Loiacono engaging in extended one-way transmissions which resulted in intentional interference to other CB stations. Some of these transmissions the FCC says lasted up to twenty minutes in length.

This in led to the FCC issuing the Notice of Violation seeking additional information concerning the violations and any remedial actions that Loiacono had since taken. Specifically his response had to fully explain each violation, including all relevant surrounding facts and circumstances. It was also was to contain a statement of the specific actions he had so far taken to correct each violation and preclude any recurrence.

But it did not end there. In accordance with Section 1.16 of the Rules, Loiacono was directed to support his response with an affidavit or declaration made under penalty of perjury, verifying the truth and accuracy of the information that he provided to the FCC. He was also warned that to knowingly and willfully make any false statement or conceal any material fact in reply to the Notice of Violation was punishable by fine or imprisonment under Title 18 of the U.S. Code.

Joseph Loiacono was given 20 days from the release of the Notice of Violation to submit his written statement concerning this matter. That date is now past but at airtime it's not known what information he had in his reply to the FCC.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, monitoring this one from Los Angeles.

--

For what its worth, this is the first time in years if not decades that we have heard of anyone on the 11 meter Citizens Band being issued a Notice of Violation for making a one way transmission that was far to long. In fact its one of the few instances of any real enforcement action on 11 meters in a long, long time. (FCC, CGC)

**

ENFORCEMENT: MOJAVE CA RESIDENT ISSUED WARNING AFTER FCC LOCATES AV TRANSMITTER INTERFERING WITH NASA TELEMETRY

The FCC has issued a Notice of Unlicensed Operation of an audio-visual transmitter used in the home of a Southern California resident. This after receiving a complaint from NASA that it was receiving interference to a telemetry receive site from radio transmissions centering on 2390 MHz.

In its March 26th release the FCC said that its investigators from the Los Angeles office used direction finding to locate the interfering device at the home of Julius Magos in the city of Mojave, California. This is not far from the NASA receive site. The FCC says that when the power was disconnected from the transmitter, the interference to the NASA telemetry operations ceased.

Now in issuing Magos the Notice of Unlicensed Operation the FCC says that its records show that no license was issued for operation of a transmitter on 2390 MHz from his home location. As such operation of the device must cease immediately.

Magos was also warned that operation of radio transmitting equipment without a valid FCC authorization constitutes a violation of the Federal laws and could subject the operator to severe penalties. These include but are not limited to a substantial monetary forfeitures, seizure the offending radio equipment, and criminal sanctions including imprisonment. Magos was also told that the FCC will determine what if any further enforcement action is required to ensure his compliance with the agency's rules. (FCC, CGC)

**

ENFORCEMENT: FM TRANSLATOR FINED FOR INTERFERING WITH AVIATION COMMS

The FCC has reaffirmed a $4,000 Notice of Apparent Liability issued against Playa Del Sol Broadcasters which is the licensee of FM translator K238AK in Palm Desert, California. The commission said the translator that operates on 109.5 MHz interfered with the VHF aviation band communications three times in 2008 resulting from the broadcaster's failure to properly attenuate the translator emissions. Interfered with specifically was Riverside California County sheriff's helicopter communications,

Playa Del Sol uses the translator to re-transmit KRCK- FM in Mecca, California. The broadcaster didn't dispute the facts, but argued it shouldn't be fined because its violation was not intentional. But the

commission backed up the Enforcement Bureau findings. It said even though Playa Del Sol didn't intend to break the law, it still did. It also gave Playa Del Sol Broadcasters the customary 30 days from the date of its decision to pay the $4000 fine. (FCC, RW)

**

CRIME AGAINST HAM RADIO: NAURYZ DX CONTEST SITE HACKED

The Nauryz DX Contest website owned by the Kazakhstan Amateur Radio Club was hacked the morning of April 9th. According to the Southgate news, vistors to the site were treated to a picture of a warrior with a scrolling text telling that said "Admin I hacked your site."

Laying claim to the hacking was made by a group called "Team Haxorsistz" and "Bl4CK System". It followed the deadline of log submissions to the contest committee by Sunday April 7th.

The hackers say that all information was retained. By late in the day a visit to the site showed that it had been restored. (G0SFJ, Southgate)

**

RADIO HAPPENINGS: HIGH SCHOOL RADIO DAY - APRIL 24

High school radio stations in the United States will come together April 24 for High School Radio Day 2013. Amateur Radio Newsline's Skeeter Nash, N5ASH, reports:

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Following the inaugural event last May, a website has been created at www.highschoolradioday.com to publicize the activities planned by participating stations. The day's activities will include live broadcasts from different high school stations around the country streamed on the High School Radio Day website. There also will be links to station streams and schools can register with a link to their own station website.

High School Radio Day was created following the successful launch of College Radio Day in October of 2011. Founder Pete Bowers, the station manager of WBFH-FM in Bloomfield Hills, Michigan decided to hold High School Radio Day last year on May 16th because it is the anniversary of the first U.S. high school radio station WNAS-FM in Albany, New York's inaugural broadcast in 1949.

For the Amateur Radio Newsline, I'm Skeeter Nash, N5ASH

--

Organizers of High School Radio Day 2013 hope that this gathering will raise the profile of the limited number of high school radio stations still broadcasting in the United States. (RW)

**

HAM HAPPENINGS: WEBINAR RECORDING FIRST TRANS ATLANTIC SHORTWAVE MESSAGE NOW ON LINE

A Webinar archive presentation surrounding the story of the first trans-Atlantic short wave message which involved several Radio Club of America members and station 1BCG is now available for viewing on-line. To access the recording, take your web browser to tinyurl.com/rca-atlantic-message and click on the title The First Top Band DX Contest - the 1921 Transatlantic Test by Frank Donovan W3LPL. This Webinar recording is being hosted at the website of the World Wide Radio Operators Foundation. (RCA)

**

NAMES IN THE NEWS: 2013 MARCONI PRIZE TO BE AWARDED TO HANDLELD PHONE DEVELOPER MARTIN COOPER The Marconi Society has announced that wireless visionary and entrepreneur Martin Cooper is the recipient of the 2013 Marconi Prize. Cooper is credited with developing and popularizing the concept of the handheld mobile phone. He led the team that put Motorola at the forefront of a new industry and in the process, he helped reshape and point the global telecommunications industry in a new direction.

Martin Cooper will receive the $100,000 Marconi Prize at an awards dinner in his honor being held on October 1st in Bologna, Italy. He also will deliver the keynote address for a three-day conference preceding the awards gala, jointly sponsored by the Marconi Institute for Creativity and the Marconi Society The Marconi Prize is considered the pinnacle honor in the field of communication and information science. (Published News Reports)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

RADIO IN SPACE: SPACELAB II PROPOSED BEYOND THE MOON

NASA has propose a concept for a deep space station that has been dubbed Skylab 2. It placing such a station on-orbit at the Earth/Moon L2 point in space. Here's Amateur Radio Newsline's Cheryl Lasek, K9BIK, with the details:

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According to Space.com, the Skylab 2 concept would consist of a single-piece habitat based on the Space Launch System's upper-stage hydrogen tank. The resulting space station would be the equivalent of a two-story house. That would be enough to accommodate a crew of four astronauts and several years of provisions with comfort. Solar arrays, radiators, and a module that contains equipment for assembly, repair, and propellant transfer would be attached.

The advantage over using International Space Station modules is that in the latter case, some assembly would be required. Skylab 2 would be ready for occupancy by a four-person crew launched separately in an Orion Multi-Purpose Crew Vehicle.

The news that NASA was considering using the Space Launch System heavy lift launcher to deploy a deep space station 38,000 miles beyond the moon's far side, was first reported in the Orlando Sentinel in September. Such a space station would be human tended, hosting crews for weeks and then months at a time. It would serve as a way station for expeditions into deep space or back to the lunar surface. Astronauts on the deep space station could remotely operate radio controlled robots on the lunar surface and would study the effects of deep space, which includes microgravity and radiation, on the human body.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois

--

L Points also known as Lagrange points, are the five positions in an orbital configuration where a small object affected only by gravity can theoretically be part of a constant-shape pattern with two larger objects such as a satellite with respect to the Earth and Moon. The Lagrange points mark positions where the combined gravitational pull of the two large masses provides precisely the centripetal force required to orbit with them. (NASA, Published News Reports)

**

WORLDBEAT: CELEBRATING THE 75TH ANNIVERSARY OF THE FIRST CLASS CW OPERATORS CLUB

To commemorate their 75th anniversary of the First Class CW Operators Club this coming May the organization is holding a month-long on-air event featuring more than 20 special FOC suffix calls. This will include GB75FOC which is a special anniversary callsign for their club station.

There will also be other FOC callsigns operating from the USA and Canada as well as some exotic locations such as VQ9, HZ1 and 5T. Stations will gain points for contacting any First Class CW Operators Club member and a certificate will be presented to stations who reach certain point levels.

Founded in 1938 with its roots, history and management in the United Kingdom, the First Class CW Operators' Club promotes good CW operating, Morse activity, friendship and socializing via its worldwide membership of approximately 500. Complete details of the group and this event is on-line at tinyurl.com/first-class-morse. (Via e-mail)

**

WORLDBEAT: BBC WORLD SERVICE REDUCES SHORTWAVE BROADCASTS

A new schedule with reduced shortwave transmissions began on the BBC World Service on April 1st. As part of the change shortwave and medium wave transmissions in the English language will be reduced by a minimum of 6 hours each day. Also shortwave Arabic language broadcasts ceased complexly. You can read the full schedule change announcement at tinyurl.com/BBC-World-English. (Southgate)

**

WORLDBEAT: BBC WORLD SERVICE OVER TO YOU ON CHINESE JAMMING

The BBC World Service program Over To You has presented a program that explores the way that the stations shortwave transmissions are being affected by jamming in parts of Asia. This is the result of an e-mail from a listener in West Bengal who was having problems listening to the service.

With the help of the World Service's head of business development, the show discovers how jamming of its shortwave transmissions inside China is spilling over into neighboring countries. It also explores what the BBC can do to remedy the situation through various international organizations. You can hear the program on-line at tinyurl.com/bbc-against-jamming. (Southgate, BBC)

**

WORLDBEAT: TWO RADIO STATIONS ATTACKED IN GUINEA

A journalists' association in Guinea says that two privately-owned radio stations have been attacked, as political tensions rise before Guinea's legislative elections on May 12. The Union of Free Radio and Television of Guinea says Renaissance FM and the Planet FM were both shot at when Faya Millimo who is the leader of the opposition Liberal Bloc was being interviewed. Also, two civilians and one police officer have been killed in a series of anti-government demonstrations that rocked Guinea's capital in recent weeks. (UFR via Facebook)

**

WORLDBEAT: ALGERIAN AMATEUR RADIO ASSOCIATION CELEBRATES 50TH ANNIVERSARY

The Algerian Amateur Radio Association recently celebrated its fiftieth anniversary.

The current president of the association is Afif Benlagha, 7X2RO. During a press conference held to mark this anniversary he recalled the various stages the association went through since its creation on March 23, 1963.

Also present at the event was International Amateur Radio Union, Region 1 president Hans Blondeel Timmerman whose call is PB2T. Timmerman highlighted Algerian expertise in this area of communications. (Algeria Press Service)

**

ON THE AIR: CS250CLE CELEBRATES THE BELL TOWER OF CLERIGOS CHURCH

On the air, word that Portuguese amateurs will be operating through the end of the year with the call CS250CLE. This to celebrate the 250th anniversary of the final construction of the Torre dos Clerigos bell tower of the Church of Clerigos. Since its completion the tower has overlooked the city of Porto as the highest bell tower in Portugal. If you contact CS250CLE please QSL via CS5RPT. (DXNL)

**

ON THE AIR: FRENCH CW SOCIETY - SPECIAL EVENT

Look for special event callsign TM28UFT to be active during the 28th annual meeting of the French CW Society which will be held in Panazol Center, France, through April 21st. Activity will be on the HF bands and possibly others for this Morse only operation. The QSL Manager is F9IE. More information is on-line at www.uft.net. (UFT.net)

**

DX

In DX, GM0OBX will be running the special event call of GB1PC during April from Stirling and District Amateur Radio Society in the United Kingdom. This to celebrate the new Police Service of Scotland. Please QSL to GM0OBX either direct or via the bureau.

LY5A will be on the air as LY23A until through April 23rd to celebrate the anniversary of the restoration of Lithuanian independence. No times or frequencies have been announced. If you work him QSL via LY5A.

IK2GZU will be in the southern region of Tanzania through May 8th working on electrical installations of the local hospital and orphanage. He hopes to find time to erect a 3 element yagi and operate as 5H3MB. If you make contact please QSL via his home call.

SN0MD to be active in celebration Poland's 40th Debno marathon. Operation of this station continues through April 22nd. QSL via SP1PNW.

Lastly, RW3AH is currently on the air from Egypt as SU9AF. He's reportedly operational on all of the HF bands. QSl via UA3DX .

(Above from various DX sources)

**

THAT FINAL ITEM: RETIREMENT PROPERTIES INSTALLS HAM RADIO SHACKS

And finally this week the story of some retirement villages that not only approve of ham radio, but they even provide places from where residents can get on the air. Here's Amateur Radio Newsline's Mark Abramovich, NT3V, with the details:

--

The Marshalltown, Iowa, Times-Republican newspaper reports that 81 year old Tom Morgan, W4UTK, has use of three operating ham radio stations complete with a 500-watt amplifier in a comfortable ham shack at the Embers Retirement Community.

The location and equipment were all made possible by Brad Lee, W0VFT, of Phoenix, Arizona. Lee is identified as the CEO of Trilogy-Embers. That's the company that owns Embers and a number of other retirement centers in the United States.

Embers Executive Director is Vicki Bogner. She is quoted as saying that Brad Lee picked up interest in short-wave from his father whom his QRZ dot com page as the late C. W. "Lee", and the first holder of the W0VFT callsign.

She went on to say that Brad Lee began by installing ham shacks for residents in his Phoenix area properties. This after he learned some had been ham operators in their own homes but had given up the hobby after moving in to one of the Embers properties.

The full story is on the web at tinyurl.com/retirement-ham-shack. We say this is a great way to support the senior citizens of ham radio who have contributed so much to this nation and to the hobby.

For the Amateur Radio Newsline, I'm Mark Abramowicz, NT3V, in Philadelphia.

--

The Times-Republican story notes that Marshalltown resident Tom Morgan, W4UTK, has been a ham radio enthusiast much of his life. Also that he knew he wanted to become an electrical engineer by the time he was age 12. (Southgate, Times-Republican)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at

Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Bon Wilbanks, AE5DW, in Southern Mississippi, saying 73 and we thank you for listening.

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160. rec.radio.amateur.moderated Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-15 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/guidelines-1-1366005601@panix.com>
Source record: 170
Cross-posted to: rec.radio.amateur.moderated,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/guidelines
Revision: 1.14 2011/12/31 20:05:40
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

Welcome to rec.radio.amateur.moderated! This is a moderated newsgroup
for amateur radio operators and other people having an interest in the
Amateur Radio Service, as defined by national regulations and
international treaties. Following are the posting guidelines for this
newsgroup.

This message includes the following sections:

1. Topics and posting policies from the rec.radio.amateur.moderated Charter
2. Additional posting guidelines
2.1 Netiquette guidelines
2.2 Posting form requirements
2.3 Guidelines on signature (.sig) files
2.4 Guidelines on excessive quoting
2.5 Guidelines on pointers to outside sources
2.6 Guidelines regarding questioning someone's suitability to hold
an amateur radio license
2.7 Guidelines regarding name-calling
2.8 Guidelines regarding civility
2.9 Guidelines regarding anonymity and pseudonyms |
2.10 Other unacceptable topics |

------------------------------------------------------------------------

1. Topics and posting policies from the rec.radio.amateur.moderated Charter

rec.radio.amateur.moderated is an inclusive on-line community of amateur
radio operators and other people having an interest in the Amateur Radio
Service. Participants are invited to engage in open discussion of
amateur radio issues and exchange information about participating in the
hobby/service, in an atmosphere of civility, friendship, and fun.

Acceptable topics include but, are not necessarily limited to, questions
and discussions about amateur radio licensing, regulations, tips on
various aspects of setting up an amateur radio station, and sharing
operating experiences and insights.
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Unacceptable posts include, but are not limited to, buy/sell/trade posts, posts that are off-topic to the Amateur Radio Service, posts promoting or defending unlawful activities, etc.

Frequently-Asked-Questions lists and other information/bulletin/ announcement postings may be crossposted to rec.radio.info, rec.answers, and news.answers only with prior approval of the moderators of those newsgroups. In all such cases, an appropriate "Followup-To" header, containing only rec.radio.amateur.moderated, will be added by the moderators if one is not already provided.

After a 30-day public discussion and feedback period to gauge reader opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35f23326

the rec.radio.amateur.moderated Moderation Team had decided to consider amending its charter, and permit limited simultaneous crossposting to rec.radio.amateur.moderated and one other unmoderated amateur-radio-related discussion newsgroup. After a successful trial period (90 days, through early July 2009), we decided to adopt this change permanently.

Approved rec.radio.amateur.* newsgroups are those that are currently listed in the latest version of the "List of Big Eight Newsgroups" which is crossposted monthly to news.announce.newgroups, news.groups, and news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those that have been created consistent with the suggestions in "So You Want to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either "radio.amateur" or "ham-radio" in their names, including uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved newsgroups up-to-date. In case we have overlooked any, and a submission is rejected in error as a result, the rejected submitter can E-mail us at our administrative contact address (in the signature at the bottom of this article, and the default Reply-To for the rejection message) requesting that it be added, and that the article be approved. We may still choose to reject articles crossposted to any alt.* newsgroup with an inappropriate name, including obscene language, embedded name-calling, or encouragement of unlawful conduct.

Posters are encouraged to state their own views and share their experiences, but to refrain from making assumptions about the motivations of other newsgroup participants. Posters are expected to maintain a basic tone of civility. Prohibited uncivil discourse includes, but is not limited to, name calling.

Posts containing unsolicited advice questioning the right, worthiness, suitability and/or readiness of any individual (or members of any group) to be an amateur radio operator are unacceptable in this newsgroup. If an individual chooses to post asking for advice on when or whether to obtain an amateur radio license, or to participate in any type of lawful activity in the Amateur Radio Service, respondents should be careful to address their comments only to the original poster and not explicitly generalize to others in similar situations.

Similarly, posts that arbitrarily declare certain classes of amateur radio licenses, or certain members of national amateur radio societies (e.g., American Radio Relay League, Radio Amateurs of Canada, Radio Society of Great Britain, Wireless Institute of Australia, etc.), to be more or less worthy than others, are not permitted. Posts that politely encourage individuals to join their local amateur radio society, or to upgrade to higher classes of amateur radio license in order to enjoy greater operating privileges, are permitted, however. Posts that contain reasoned, civil, and fact-based discussion of the activities and internal politics of national amateur radio societies are also permitted.

Buy/Sell/Trade and Commercial Policy:

Posts containing offers to buy, sell, or trade are not permitted on rec.radio.amateur.moderated. The rec.radio.swap newsgroup was created for this purpose, and should be used instead. All such articles will be rejected by the moderators with the advice to re-post to that newsgroup.

This policy also prohibits links to, and discussions of, specific auctions. Posts on the subject of how ham operators can help newcomers to find good deals, or about the need to visit flea markets and look around locally before turning to auction sites, are acceptable, but not complaints about a single auction or auction site.

Postings that are entirely advertisements or other public relations campaigns will not be permitted. Relatively unbiased announcements or reviews of new amateur radio-related products or services may be permitted at the discretion of the moderators. Such posters are asked to disclose their financial or professional interest, if any, in such products or services.

Mentions of small amounts of free items, including both parts and equipment, for giveaway will be permitted on an occasional basis from casual, non-commercial owners, and at the discretion of the moderators. The items should be free except for reasonable direct costs such as shipping, must be directly amateur-radio-related, must be in serviceable condition, and be practical to ship to a distant recipient. This is intended as a common-sense exception to our ban on forsale postings, provided that it doesn't overwhelm the basic character of our discussion newsgroup with classified ads or requests to haul off scrap or junk in salvage condition.

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2. Additional Posting Guidelines

2.1 Netiquette guidelines

Participants who are new to Usenet should familiarize themselves with the "netiquette" of Usenet as well as the particular posting guidelines for this group. Several useful posts for "newbies" can be found on the newsgroup news.announce.newusers or on the WWW at:

http://www.faqs.org/faqs/by-newsgroup/news/news.announce.newusers.html

Particularly helpful articles are:
Welcome to Usenet!
Rules for posting to Usenet
Hints on writing style for Usenet
A Primer on How to Work With the Usenet Community
Emily Postnews Answers Your Questions on Netiquette
Answers to Frequently Asked Questions about Usenet

Because rec.radio.amateur.moderated is a Usenet newsgroup, there are implied or derived guidelines for participation that are drawn from the above articles about overall Usenet culture and tradition. Two of these implied or derived guidelines are encapsulated in two basic rules that our moderation team uses to initially determine whether an article is appropriate for our newsgroup. They are restated explicitly here for clarification:

Basic Rule #1: The article must be on-topic for amateur radio. A rule-of-thumb that our moderation team applies is whether the article mentions amateur radio, ham radio, some synonym for amateur or ham radio, some technique or practice of amateur or ham radio including closely related technical topics such as antennas or portable power, or regulatory politics that directly affect amateur radio. This rule-of-thumb is also applied to determine if an article in a thread has drifted too far off-topic. For example, articles that have drifted into general rants or monologues will probably be returned with a polite request to rewrite to include a reasonable amateur radio connection or angle.

Basic Rule #2: The article must not have excessive spelling, grammar, or logical argument errors affecting readability and understandability. The moderation team understands that clear, understandable, technical or expository writing is a skill that can only be perfected through a lifetime of focused training and practice. Because the moderation team does not want to hold submitters to a standard higher than what it can achieve itself, nor disrupt the newsgroup and discourage submitters by playing spelling or grammar police, it will only return for rewrite any article that cannot be reasonably understood by multiple moderators.

If it is necessary to return any article for a rewrite because the moderators have determined that it does not meet Basic Rule #1 or #2, please accept this constructive feedback in the manner in which it is intended. The moderation team offers its assistance to help rewrite any submitted article into a form that preserves its original intent and

meaning, but is also on-topic, as well as readable and understandable by others.

2.2 Posting form requirements

Any article that falls into any of the following categories will be automatically rejected:

A) Articles that contain original text of more than 75 characters per line
B) Crossposted articles to newsgroups not included in these Guidelines
C) Articles that contain more than 400 lines
D) Encoded binary files (except PGP and other short digital signatures)
E) Attachments to posts
F) Articles containing obscene language
G) Articles from individuals who have been suspended or banned from the newsgroup

2.3 Guidelines on signature (.sig) files

Many people close each article they write with a few lines of common text. This may be a cute quip or quote, or may include information about their family, contact information, or disclaimers required by their employer, for example.

Signature files used on rec.radio.amateur.moderated posting must be no longer than 8 lines.

The content of a poster's signature need not be relevant to amateur radio, but it must not violate any of the other posting guidelines. (For example, name-calling that would not be acceptable in the body of a message is also unacceptable in a signature.) Posters may include Uniform Resource Locators (URL's) and business addresses in signature files, provided they comply with all the other guidelines regarding signatures.

2.4 Guidelines on excessive quoting

Posts more than 20 lines long that also have more than 75% quoted text will be carefully reviewed by a moderator to determine if that degree of quoting is warranted. Posts with excessive quoted text may be rejected.

Posters must show a reasonable effort to trim the post they are replying to and to include just enough material to establish context. "Me too!" posts are discouraged, and, when posted, must edit the quoted material significantly.

2.5 Guidelines on pointers to outside sources

Unsolicited announcements and pointers to web sites that are strictly advertisements or other public relations campaigns are not permitted. However, a pointer to a website or other external source of information

is permitted and encouraged in cases where it is relevant to an existing thread, with appropriate context being given in the post. A URL with no information about what a user should expect to find there will be rejected. A pointer to information that is off-charter for rec.radio.amateur.moderated will be rejected, as will a pointer which itself does not meet the rec.radio.amateur.moderated guidelines (such as a URL containing embedded name-calling).

Moderators are not responsible for verifying the contents of any external information source.

2.6 Guidelines regarding questioning someone's suitability hold an amateur radio license

Identifiable groups and individuals may not be asked/told/etc. not to obtain an amateur radio license, or to only obtain certain classes of amateur radio license. It is not permissible to make statements that a person or members of a specific group "should" not, or should not be allowed to, become an amateur radio operator.

Solicited advice of this type is permissible; however, posters must be careful not to explicitly generalize to others who are in some way "like" the poster asking the question. Stick to the individual asking for advice.

It is acceptable to discuss verified violations, documented in criminal convictions or other government enforcement actions, by a person or members of a specific group.

2.7 Guidelines regarding name-calling

Nastiness addressed at a person is considered name-calling. Criticizing a person's *actions* is not, provided that it is done in a civil manner.

Attacks on an action which by their very nature include an accusation against the person's character are not acceptable. For example, "That's a lie" implies an intentional prevarication, and is considered name-calling. Acceptable ways of questioning the truth of a poster's statement include the more tactful "I don't think that's true," "I believe you are mistaken because..." or even simply "That's not true." "That's not true and you know it" crosses back over into name-calling, however.

2.8 Guidelines regarding civility

By charter, posters are expected to maintain a civil tone in all their postings. The guidelines on name-calling cover part of that requirement, but not all of it.

In general, posters are expected to consider the reputations of other participants, and refrain from making unnecessary accusations or assumptions about the motivations of others. A good rule of thumb is to phrase your comments as your opinion -- "I think..." "It seems to me that..." "This makes me wonder whether..." etc...

Posters are expected to make factual claims, to debate topics openly and in good faith, and to accept honest criticism, all without provocation or prevarication. At least one professional organization, the Institute of Electrical and Electronics Engineers (IEEE), has recognized that such fair dealings are necessary components of ethical conduct, and has incorporated them into its Code of Ethics:

http://www.ieee.org/about/corporate/governance/p7-8.html

Though the Amateur Radio Service is not a professional endeavor, the moderators strongly feel that the IEEE Code of Ethics is also a worthwhile set of guiding principles for participants in the rec.radio.amateur.moderated newsgroup.

Posters are not required to support the American Radio Relay League (ARRL). However, they are expected to adhere to the spirit of the other parts of the ARRL's "Amateur's Code":

http://web.archive.org/web/20100131043828/http://www.arrl.org/acode.html

2.9 Guidelines regarding anonymity and pseudonyms |

Contributors to rec.radio.amateur.moderated are encouraged to use their | real names and/or amateur radio callsigns. This not only creates a | greater sense of community in the newsgroup, it also lends credibility | to posters' opinions. However, as a pragmatic concession to the | realities of the present-day Internet, and consistent with the practices | of other moderated newsgroups, pseudonyms and unroutable E-mail address | are permitted with some restrictions. |

We ask that the From: lines of submitted articles not misrepresent your | identity, not be changed often, and not match a user or domain name | other than your own (spoofing). Please also realize that if you use an | unroutable E-mail address, you will not be able to receive | acknowledgment or rejection messages for your submitted articles. |

2.10 Other unacceptable topics |

Participants are reminded that the charter also prohibits posts promoting or defending unlawful operating practices.

Posts may discuss whether operating practices are unlawful, or engage in reasoned debate over why certain operating practices should or should not be unlawful. Posts may discuss enforcement actions, such as by the Federal Communications Commission in the United States or similar government agencies in other countries, and evidence gathered by parties such as Official Observers in support of complaints about unlawful operation.

Discussions of what practices constitute unlawful operation in the Amateur Radio Service should be limited to *factual* descriptions of the laws in various jurisdictions. Posters' *opinions* as to what practices they consider unlawful are not permitted. In particular, posters are cautioned not to extrapolate their country's laws and regulations to those in other parts of the world, as they may be quite different.

Posts that entirely concern themselves with other radio services or hobbies, such as Citizen's Band, General Mobile Radio Service/Family Radio Service, and Scanner or Shortwave Listening, are considered off-topic to the rec.radio.amateur.moderated newsgroup. Newsgroups such as rec.radio.cb, rec.radio.scanner, and/or rec.radio.shortwave may be more appropriate venues for such posts.

Posts that attempt to publicly criticize moderators or moderation decisions in the newsgroup itself are also not permitted, as stated in our original newsgroup charter. Please direct any such critical feedback to our administrative contact address at the bottom of this article, where it will be carefully considered by an appeals team of moderators. This team is distinct from the initial team of moderators that approves or disapproves article submissions, and thus can provide independent oversight of moderation decisions.

Similarly, if you see an obviously inappropriate article in our newsgroup, please assume that it was a mistake or a direct forgery. The moderation team makes every effort to protect the newsgroup from such incidents, but they do happen, albeit rarely. You may also submit feedback to the same address regarding such articles in our newsgroup, but it is likely that our monitoring software and procedures have already detected it, and we are actively handling the problem. Please resist "piling on" with followups to the newsgroup when these incidents occur, so that we don't have to reject such articles.

Due to Usenet newsgroup access being eliminated at many ISP's, including MSN, AOL, RoadRunner, Time Warner, Verizon, Comcast, and Cox, we receive many article submissions asking about free or low-cost alternatives for accessing Usenet newsgroups such as ours. We initially permitted this topic in light of the significant impact to many of our readers due to this loss of access through their ISP's. However, this subject is arguably off-topic for our newsgroup, is better answered by other sources, and better discussed in other venues. Because of this, we will no longer approve submissions that request or suggest where to obtain access to Usenet newsgroups. For more information about this topic, please consult the following:

- The last approved thread of discussion about this topic on our newsgroup from October 2008:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/19770b88ec527aff/8dcee92de293f615?hl=en#8dcee92de293f615

- A list of News Service Providers maintained by the Big-8 Management Board:

http://www.big-8.org/wiki/News_Service_Providers |

- A list of Public News Servers at the Open Directory Project:

http://www.dmoz.org/Computers/Usenet/Public_News_Servers/

- An article with links and reader suggestions at Broadband Reports:

http://www.broadbandreports.com/shownews/96318

- Google Groups:

http://groups.google.com

The rec.radio.amateur.moderated Moderation Team does not endorse or recommend any particular News Service Provider (NSP). We encourage our readers to choose the free or subscription service that best meets their own personal needs based on their own evaluation of the available alternatives.

Please direct any comments, questions, or criticisms about this article to rec-radio-amateur-moderated-request@panix.com.

(Adapted, with permission, from the misc.kids.moderated Posting Guidelines.)

161. May 2013 QST - Special Digital Communications Issue

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-15 14:32:56 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130415135551.EFA5C203E5@bmail.arrl.org>
Source record: 171
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.digital.misc,rec.radio.info

May 2013 /QST/ Digital Edition - Now Available May 2013 edition
<http://www.nxtbook.com/nxtbooks/arrl/qst_201305/>
Go to this link and start reading: May 2013 /QST/
<http://www.nxtbook.com/nxtbooks/arrl/qst_201305/>.

*Special Dayton Hamventionï¿½**Section in this issue!*

* Build an 80 W linear amplifier for 2 meters.
* Try your first Arduino microcontroller project.
* Add FSK to a Tigertronics SignaLink interface.
* Follow a family DXpedition to Cyprus.
* Check out an ARRL convention in a Puerto Rican paradise.
* ... and much more!

Enjoy Content You Won't Find in the Print Edition

* Watch video overviews of the new Hendricks BitX17A transceiver and
the M^2 2M-1K2 high power 2 meter amplifier.

Every issue of /QST/ is filled with the news and features you need to
keep active in Amateur Radio. Enjoy this issue!

App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>
Download the */QST/ App* for Apple mobile device users. The app is free
in Apple's App Store
<https://itunes.apple.com/us/app/qst/id531766442?mt=8>. Users with
Android devices should use the enhanced web version
<http://www.nxtbook.com/nxtbooks/arrl/qst_201305/> of /QST/ which is
optimized to automatically recognize Android phones, tablets and e-book
readers.

What is a digital edition?
The digital edition of /QST/ is an electronic form of the journal. All
ARRL members have access to the digital edition of /QST/...a way to read
and interact with the current issue of /QST/ anytime, anywhere. Each
issue includes unique, digital-edition-only content such as video, audio
features and extra content. Members can also access the digital archive
for access to previous issues.

How do I access the digital edition?
/QST/ can be read online or downloaded onto some devices. Members must
have a valid ARRL website login to access this benefit. You can always
find a link to the current digital edition and archives at
www.arrl.org/qst <http://www.arrl.org/qst>. Apple iOS device users
(iPhone, iPad and iPod touch) can also access the digital edition from a

dedicated QST app. The app is free in Apple's App Store
<https://itunes.apple.com/us/app/qst/id531766442?mt=8>.
To login or register, go to www.arrl.org/myarrl
<http://www.arrl.org/myarrl>.
Forgot password? Go to www.arrl.org/forgot-password
<http://www.arrl.org/forgot-password> to reset your password.
Not a member? Join today <http://www.arrl.org/join/QDF> and get access
to the current digital edition, now.
Need help? Visit the digital edition help page
<http://www.arrl.org/digital-qst-faq> for frequently asked questions.
Need more help? Contact Member Services by telephone 860-594-0200 or
888-277-5289 (US only) or email circulation@arrl.org
<mailto:circulation@arrl.org>.

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<http://www.arrl.org/QST-print-edition-opt-out-form>. Due to the lead
time required to prepare /QST/ for mailing, you may receive one last
printed issue. * Disclaimer: Choosing to opt-out of the print edition of
/QST/ is voluntary and will not result in a refund or reduction of ARRL
membership dues. Any savings will be used to extend the ARRL's reach in
the areas of public service, education, advocacy, technology and membership.

About this email
You are subscribed to receive monthly notification of the digital
edition of /QST/. If you have an ARRL website user account, you can
manage all of your e-mail preferences at www.arrl.org/myarrl
<http://www.arrl.org/myarrl>.

Logo
Address
225 Main Street, Newington, CT 06111-1494 USA
www.arrl.org <http://www.arrl.org>

162. 30 Years Ago: 20 Meter Phone Band Expansion

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-15 16:27:16 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <516c1172$0$81727$540ea2cf@novia.net>
Source record: 172
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.dx

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: ad7i
<utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!npois!houxm!hogpc!houxq!houxp!ad7i>
>Subject: ARRL 28: 20M phone expansion
>Newsgroups: net.ham-radio
>Date: Tue Apr 12 08:16:51 1983

qst de ad7i
holmdel, new jersey, u.s.a.
hr arrl bulletin nr 28 from arrl headquarters
newington ct april 8, 1983
to all radio amateurs bt

expansion of the 20 meter phone band becomes effective may 22, 1983
at 0001 utc. the new phone bands will be as follows. 14150 t0
14175 khz, extra. 14175 to 14225 khz, advanced and extra. 14225 to
14350 khz, general, advanced and extra. this is not effective until
may 22, 1983 at 0001 utc ar

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlFsEVYACgkQ6Pj0az779o5/DgCfQEaJ1rvBdvDR+qbRiXwgHdRi
tiQAoNC/nHaMC5KshsSYnCnNWXN9HItw
=p1jE
-----END PGP SIGNATURE-----
```

163. FCC Daily Digest 04/17/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-17 16:03:03 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527385-2013.04.17-11.28.12--rec-radio-info#panix.com@info.fcc.gov>
Source record: 173
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 73 April 17, 2
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[...]

AMENDMENT OF PART 15 REGARDING NEW REQUIREMENTS AND MEASUREMENT GUIDELINES
FOR ACCESS BROADBAND OVER POWER LINE SYSTEMS/CARRIER CURRENT SYSTEMS, INCL
UDING BROADBAND OVER POWER LINE SYSTEMS. Denied the Petition for Reconsid
eration filed by the national association for Amateur Radio, formally known
as the American Radio Relay League. (Dkt No. 04-37 03-104). Action by:
the Commission. Adopted: 04/16/2013 by MO&O. (FCC No. 13-53). OET http:/
/hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-53A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-53A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-53A1.txt

[...]

164. The ARRL Letter for April 18, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-19 00:39:06 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130418195120.D680027CE52@bmail.arrl.org>
Source record: 174
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

April 18, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + BPL: FCC Again Denies ARRL's Petition in BPL Proceeding
- + Public Service: Radio Amateurs Provide Communication Support in
Boston Marathon Bombings
- + FCC Enforcement: FCC Issues Two Forfeiture Notices for Cell Phone
Jamming
- + Check Out the May Issue of QST
- + Section News: New Section Manager Appointed in North Texas
- Solar Update
- Jay Adrick, K8CJY, Honored at NAB Show
- This Week in Radiosport
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + BPL: FCC AGAIN DENIES ARRL'S PETITION IN BPL PROCEEDING

On April 16, the FCC issued a Second Memorandum Opinion and Order,
denying the ARRL's December 2011 Petition for Reconsideration that
sought reconsideration of the FCC's Second Report and Order,
"fundamentally affirm[ing]" its rules for Access Broadband over Power
Line (Access BPL) systems. In denying the ARRL's Petition, the FCC
noted that the Petition "[did] not raise new arguments based on new
information in the record or on the Commission's new analysis of
limited points as directed by the Court, nor does it demonstrate any
errors or omissions in the Commission's previous decisions," and that
its previous rulings "strike an appropriate balance between the dual
objectives of providing for Access BPL technology -- which has
potential applications for broadband and Smart Grid uses -- while
protecting incumbent radio services against harmful interference."

The ARRL made 14 principal points in its Petition, each of which was
aimed at urging the FCC to enact additional rules that would permit BPL
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systems to operate without the severe interference potential inherent in BPL technology. The ARRL argued that the current rules do not address this severe interference potential, which was manifested in every deployment of BPL in which the safeguards urged by the ARRL were absent. The FCC dismissed all of the ARRL's arguments, claiming that the ARRL "did not submit any new information," made "no new argument" or that it had, in the Commission's view, failed to make its point.

ARRL General Counsel Chris Imlay, W3KD, said that full time, mandatory notching of amateur bands to a notch depth not less than 25 dB was "the least that the FCC should have required in its rules, because interference prevention is possible; post-hoc remediation is not. In this instance, the FCC has not acted responsibly in its stewardship of the MF and HF radio spectrum. The ARRL will continue to vigilantly guard against the abuse and pollution of the radio spectrum in the use of BPL technology on a case-by-case basis as necessary, wherever necessary." Read more <http://www.arrl.org/news/fcc-again-denies-arrl-s-em-petition-em-in-bpl-proceeding>.

==> + PUBLIC SERVICE: RADIO AMATEURS PROVIDE COMMUNICATION SUPPORT IN BOSTON MARATHON BOMBINGS

As has happened many times in years past, over 200 Amateur Radio operators participated in communications for the Boston Marathon on Monday, April 15, 2013. Unlike prior challenging situations such as very warm weather for the runners or other weather-related challenges, this year's marathon will be remembered for the bombings that took place at the finish line. Despite this heinous act, professional first responders, medical volunteers from the American Red Cross that staffed the route, and Amateur Radio operators performed magnificently in the face of adversity.

"Within minutes, cell phone systems became overloaded and making phone calls and text messages was difficult. Amateur Radio operators performed communication duties under duress and performed admirably. No Amateur Radio volunteers were injured on the course in this terrible act," said Steve Schwarm, W3EVE, who is the Amateur Radio Course Communication Coordinator and associated with a consortium of clubs and groups known as Marathon Amateur Radio Communications (MARC). Read more <http://www.arrl.org/news/radio-amateurs-provide-communication-support-in-boston-marathon-bombings-updated>.

==> + FCC ENFORCEMENT: FCC ISSUES TWO FORFEITURE NOTICES FOR CELL PHONE JAMMING

On April 9, the FCC found two businesses -- The Supply Room in Oxford, Alabama and Taylor Oilfield Manufacturing in Broussard, Louisiana -- to have "apparently willfully and repeatedly violated" the FCC's rules operating multiple cellular phone jammers that were illegally imported to the US. The FCC issued a Notice of Apparent Liability for Forfeiture and Order (NAL) to each business: The Supply

Room received an NAL in the amount of $144,000, while Taylor Oilfield Manufacturing received an NAL in the amount of $126,000. Read more <http://www.arrl.org/news/fcc-issues-two-forfeiture-notices-for-cell-phone-jamming>.

==> + CHECK OUT THE MAY ISSUE OF QST

The May issue of QST -- our annual digital communications issue -- explores the fun and excitement that awaits radio amateurs on the digital modes. So grab your print edition of QST -- or settle in with your computer or tablet to read the digital version <http://www.nxtbook.com/nxtbooks/arrl/qst_201305/index.php> -- and discover what the May issue has to offer.

Following up on his January 2013 article "Cheap and Easy SDR," Robert Nickels, W9RAN, explains how to integrate SDR and digital operation. In "Digital Modes for Your SDR," Nickels shows how your PC can serve as an SDR engine to receive digital modes. Using Arduino -- an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software -- Roger Shipley, KA9NAH, talks about his entry into the world of microcontroller programming in his article "Microcontrollers -- No Experience Necessary."

In 2012, 15-year-old Padraig Lysandrou, KC9UUS, convinced his family that the perfect vacation would be a DXpedition to Cyprus -- and they agreed! In his article "A Crazy Idea: DXpedition to Cyprus," Lysandrou tells about how he coordinated logistics and made QSOs on the beautiful island. With a laptop computer, a loop antenna and a low power SDR radio, Dennis Lazar, W4DNN, brought high tech to a North Carolina mountaintop. In his article "SDR at the Summit," Lazar describes how he activated 5600-foot-high Craggy Knob for the Summits on the Air (SOTA) awards program.

ARRL Senior Test Engineer Bob Allison, WB1GCM, takes a look at the Hendricks BitX17A 17 meter SSB transceiver kit in this month's Product Review. He says this kit is "challenging to build and rewarding to use. The finished radio sounds great on the air, although some operators will have to get used to having no AGC on receive." QST Contributing Editor Jeff Klein, K1TEO, checked out the M2 2M-1K2 high power 2 meter amplifier, calling it a "quiet and convenient solution for high power operation on 2 meters. It puts out near legal limit power and is compatible with most modern transceivers or transverters." You can find a video overview of the Hendricks BitX17A 17 meter SSB transceiver kit <http://www.nxtbook.com/nxtbooks/arrl/qst_201305/index.php#/52> and the M2 2M-1K2 high power 2 meter amplifier <http://www.nxtbook.com/nxtbooks/arrl/qst_201305/index.php#/56> in the digital edition of the May issue of QST.

Of course, there are the usual columns you know and have come to expect in the May issue of QST: Happenings, Hints & Kinks, Eclectic Technology, The Doctor is In, Technical Correspondence, Short Takes, Vintage Radio, How's DX? and more. Look for your May issue in your

mailbox and in your inbox. QST is the official journal of the ARRL, the national association for Amateur Radio. QST is just one of the many benefits of ARRL membership. To join or to renew your ARRL membership, please see the ARRL web page <https://www.arrl.org/join-arrl-renew-membership/>.

==> + SECTION NEWS: NEW SECTION MANAGER APPOINTED IN NORTH TEXAS

Chris Brewer, N5GMJ, of Saginaw, Texas, has been appointed ARRL North Texas Section Manager as of April 30. The current Section Manager, Walt Mayfield, KE5SOO, of Krum, announced he would be resigning due to work and family commitments; he has served as Section Manager since October 2011. ARRL Membership and Volunteer Programs Manager Dave Patton, NN1N, appointed Brewer after consulting with ARRL West Gulf Division Director David Woolweaver, K5RAV. Brewer, who is presently the Official Observer Coordinator in the North Texas Section, has been an Official Observer since 2009. He will complete the current term of office as North Texas Section Manager that continues through March 31, 2015.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: While solar activity weakened this past week, geomagnetic conditions were stable. The geomagnetic storm predicted for last weekend did not happen, and both the planetary and mid-latitude A index only rose to 10 on April 14 in response to a glancing blow from a coronal mass ejections (CME). The average daily sunspot numbers declined nearly 25 points to 113.3, while the average daily solar flux was down more than 17 points to 121.7. The predicted flux values for the near term are 100 on April 18-19, 95 on April 20-21, 90 on April 22-23, 95 and 105 on April 24-25, 110 on April 26-28, 115 on April 29-30, 120 on May 1-2, 125 on May 3-6, 120 on May 7-8, and down to 115 for May 9-12. The predicted planetary A index is 5 on April 18-22, 12 and 8 on April 23-24, 15 on April 25-26, 5 on April 27 to May 4, 8 on May 5, 5 on May 6-11, and rising to 8 on May 12. Look for more information on the ARRL website on Friday, April 19. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> JAY ADRICK, K8CJY, HONORED AT NAB SHOW

The National Association of Broadcasters (NAB) awarded its NAB Television Engineering Achievement Award for 2013 to Jay Adrick, K8CJY, at NAB Show in Las Vegas. Established in 1959, the peer-nominated NAB Engineering Achievement Awards are given for significant contributions to advancing broadcast engineering. Adrick, an ARRL Life Member from Cincinnati, Ohio, retired earlier this year from the Harris Corporation where he was Vice President of Broadcast Technology in the company's CTO Group. Prior to beginning his career with Harris, Adrick taught Broadcast Communications at Ohio's Xavier University and was Director of its Radio/TV program. He also served as an engineer and design

consultant to radio and TV stations in several Ohio markets. Read more
<http://www.arrl.org/news/jay-adrick-k8cjy-honored-at-nab-show>.

==> THIS WEEK IN RADIOSPORT

This week:

- April 19 -- Holyland DX Contest
- April 20 -- TARA Skirmish Digital Prefix Contest; ES Open HF
Championship; EU Spring Sprint (SSB); Feld Hell Sprint
- April 20-21 -- Michigan QSO Party; North Dakota QSO Party; Ontario
QSO Party; CQ Manchester Mineira DX Contest; YU DX Contest
- April 21 -- ARRL Rookie Roundup (SSB)
- April 22 -- Run for the Bacon QRP Contest
- April 24 -- SKCC Sprint; 432 MHz Spring Sprint (local time)
- April 24-25 -- CWops Mini-CWT Test

Next week:

- April 26 -- NCCC Sprint Ladder
- April 27-28 -- Florida QSO Party; SP DX RTTY Contest; 10-10
International Spring Contest (Digital); Helvetia Contest; QRP to the
Field
- April 28 -- BARTG Sprint 75
- May 1 -- AGCW QRP/QRP Party

All dates, unless otherwise stated, are UTC. See the ARRL Contest
Branch page <http://www.arrl.org/contests>, the ARRL Contest Update
<http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest
Calendar <http://www.hornucopia.com/contestcal/index.html> for more
information. Looking for a Special Event station? Be sure to check out
the ARRL Special Event Stations web page
<http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- April 19-20 -- Southeastern VHF Society Conference
<http://www.arrl.org/hamfests/svhfs-conference>, Cocoa Beach, Florida
- April 19-21 -- International DX Convention
<http://www.arrl.org/hamfests/international-dx-convention-2>, Visalia,
California
- April 20 -- ARRL Louisiana State Convention
<http://www.arrl.org/hamfests/louisiana-state-convention-northeast-louisiana-
regional-ham-radiofest>,
Monroe, Louisiana
- April 26-28 -- ARRL Idaho State Convention
<http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho;
Eastern VHF/UHF Conference
<http://www.arrl.org/hamfests/eastern-vhf-uhf-conference>, Manchester,
Connecticut
- May 4 -- ARRL South Carolina Section Convention
<http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfe
st-1>,

Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,

New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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165. Amateur Radio Newsline(tm) Report 1862 - April 19 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-19 12:07:46 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130419090003.6A33E33C43@panix2.panix.com>
Source record: 175
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1862 - April 19 2013

Amateur Radio Newsline report number 1862 with a release date of April 19 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. Ham radio takes the point position after a terror attack on the Boston Marathon; the SARL gets two frequencies at 5 MHz to do a propagation study; the FCC says that the 2011 national EAS test is considered to be a success; a special event station in May will honor the Native American Code Talkers and will everyone in the world be on-line by 2020? All this and more on Amateur Radio Newsline(tm) report number 1862 coming your way right now.

(Billboard Cart Here)

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RESCUE RADIO: HAM RADIO RESPONDS TO BOSTON MARATHON TERRORIST ATTACK

Some 250 ham radio operators were providing communications for the Boston Marathon on Monday, April 15th, when a pair of bombs believed planted by a terrorist went off killing three onlookers and sending scores to local hospitals. Some with very serious and life threatening injuries. Amateur Radio Newsline's Mark Abramowicz, NT3V, is here with what's known about the attack and the role played by the hams on scene:

--

It is a day Paul Topolski, W1SEX, will never forget.

Topolski tells Newsline he was working with radio operators close to the finish line of the Boston Marathon and things were going well. And then, there was the first blast..

"I was in the net control trailer about 400 feet from where the blast was," he recalls. "Things were going pretty smooth and we had and were commenting all of the operations that we had were up and running and no real issues.

"And, within a couple of minutes my assistant and I just happened to be looking at each other out of the corner of our eye and then that blast hit and shook the trailer and we knew it wasn't good." Topolski says then the second blast went off and they knew things were going to be brought to a halt. He says their big concern, operators at the medical tents at each mile along the route...

"Net control immediately started doing a roll call and finding out where all our people were - exact locations and their condition, making sure that they were okay. And, as it turns out everyone was just fine and continuing operations."

Just before that roll call began, Topolski told his counterpart overseeing net-control on the course to reach out to him on a secure line..

Steve Schwarm, W3EVE, who also spoke with Newsline about the events of that day, was on the receiving end of that call and was a bit surprised...

"He calls me on the radio and says, 'Call me on my cell phone.' And, I know something's got to be wrong because he'll only talk to me on the cell phone when it's something he doesn't want anybody else to hear," Schwarm says.

"So, I called him on the cell phone and that's when he told me that two bombs had gone off in downtown and said I don't know what's going to happen next, but thought you'd like to know and I said thanks.

"So, I stoppped all the activity in my net control and announced it to everybody there and I said that we don't know what's going to happen next, but I'm quite sure the race is probably over." Topolski, who was at the medical tent close to the finish line, says once it was established all those close to the bomb locations were okay, there was general agreement among the operators to stay at their posts and assist...

"It was a kind of a mindset, 'Okay, we did have a problem and let's continue to do our jobs,' and everybody did just that until we were finally sent on our way by the Boston Police Department and the Massachusetts State Police because we were literally right in the "ground zero" area," Topolski says. "We were in the crime scene so we had to bug out."

But, before they were sent out, Topolski says the operators were busy helping medical personnel...

"Instead of taking care of runners, we were no working with the medical people who were serving casualties from the incident itself," Topolski says. "We had medical coverage, or coverage in the medical tents and we started receiving reports of those injuries and the types of things that were going on and then we were relaying that information to the public safety people via WebEOC and other means."

Topolski estimates those closest to the blast zones were there for about 35 minutes afterward until they got sent out because of concerns among authorities about other possible devices. Back to Schwarm at course net control, who in the minutes after the blasts was now working with operators still out on the course.

"Police were ordering people to stop," Schwarm says. "So runners tended to congregate at the first aid stations and the water-fluid stations along the course. And all of them had ham radio operators.

"So, as soon as that happened, we told everybody on the frequency what was going on. The event had stopped and they would start to organize those people. And, then we started to use some of our medical sweep buses to take the runners to some pre-determined shelters. "The original thought was that if we had something like a thunderstorm come through and had lightning and things like that we wouldn't want all these people on the course. So, that was the original intended use for the shelters but they found out that they could be used for this as well."

Schwarm says for the operators close to the blast zones, it was a hectic time....

"They supplied communications for the medical tents and that was where a lot of the initial triage of the runners occurred and a lot of lives were probably saved because they had basically a first-class emergency room right there," Schwarm says.

But the day was far from over for Topolski and his operators who were evacuated from the developing crime scene, Schwarm says....

"The roles actually got reversed because they were concerned about having another device in the area so they had a lot of people evacuated," Schwarm says. "Paul and his team evacuated and several of his operators came up to help me in case we were going to be doing an extended operation.

"It wasn't clear how long it was going to take for us to get this thing cleaned up and they came up to help in case we needed some backup. I was very concerned about some of my net control operators getting exhausted, needing some backup. So I knew he had some good people and they came up to help out."

So, where was net control for the course? Schwarm says the Boston area hams put it at a perfect location...

"We're actually quite a distance from the course," Schwarm says. "We're about a mile or two from the course. It's at a facility, it's a private school in Brookline which is a suburb of Boston.

"And, it's on top of a very high hill, which, if we had to, we could probably work every single repeater we use with a 100-milliwatt walkie-talkie because we can see them all -literally. And, it makes an ideal location for it and we also then have high-speed internet at our fingertips and several phone lines and a few things like that. It's a very nice facility."

So what form of communications do the hams who work the Boston Marathon use? VHF frequencies only, Schwarm says...

"The Boston Marathon is the only marathon that's run in a straight line," Schwarm explains. "And we plan on having HT-coverage for the entire course and the finish and the start. So, as a result, you tend to use a fair number of frequencies to make that happen.

"We use five separate repeaters to cover five sections of the course. And, then we have a network of linked repeaters that we use to cover the entire course from beginnning to end just for things that need to be covered across that range."

Topolski has been involved in the marathon amateur radio coverage for 20 years. For Schwarm, this was his 13th year and he says it won't be his last.

"I think what you'll find is that next year we're going to have a bigger and better Boston Marathon and we're going to go on," Schwarm says. "I mean we went through a lot of planning and soul searching for these kinds of things after 9-11 and this was probably a wake-up call to re-think some of those."

For the Amateur Radio Newsline, I'm Mark Abramowicz, NT3V in Philadelphia.

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Our hearts go out to the families of those who lost loved ones and to those injured in this unprovoked and uncivilized attack against humanity. We will have more for you in upcoming Amateur Radio Newsline reports. (ARNewsline(tm) and various other sources)

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WORLDBEAT: ICASA COUNCIL APPROVES TWO 5 MHZ FREQUENCIES FOR SARL

The Independent Communications Authority of South Africa has last approved two frequencies at 5 MHz for the South African Radio League to carry out propagation research. This is in response to the society's application to collect information about country wide propagation conditions in that spectrum.

The South African Radio League had applied for access to 5 MHz in 2010, 2011 and again in 2012. In its application the society told the telecommunications regulator that while the propagation of signals are fairly well known for high power broadcasting, there is still quite a lot that can be learned by radio amateurs, especially away from the coastline.

The licenses are being issued for an 8 month period but the regulator says that at the end of the period the South African Radio League can apply for an extension. (SARL)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KA8HDY repeater serving Jackson, Michigan.

(5 sec pause here)

**

RESCUE RADIO: NATIONAL EAS TEST DEEMED A MODERATE SUCCESS

The final results of the first National Emergency Alert System or EAS Test show that 83% of broadcasters successfully received the alert. Amateur Radio Newsline's Heather Embee, KB3TZD, reports:

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The first national EAS test was held on November 9th of 2011. Now, in a long awaited and very detailed review, the FCCs Public Safety and Homeland Security Bureau says that while the test demonstrated EAS would generally perform as designed, it also shined a bright light on several areas that require improvement.

The 19-page report says that of the nearly 14,000 radio and TV stations that submitted result data, only 2,300 failed to successfully receive and rebroadcast the alert. The number would likely have been lower however 3 of the 63 Primary Entry Point stations failed which meant a larger number stations further down the daisy-chain did not get the alert.

While the majority of stations received the national EAS alert, results varied state-by-state. The report points out that while fewer than 2% of Texas stations didnt get the test on the air, nearly every Oregon station didnt broadcast the complete alert.

The bottom line is that the FCC and FEMA have concluded that the nationwide EAS architecture is basically sound, but there is still room for improvement.

For the Amateur Radio Newsline, Im Heather Embee, KB3TZD, in Berwick, Pennsylvania.

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The agencies involved say that they plan more national EAS tests in the future. You can read the FCC's in-depth report on the national EAS test at tinyurl.com/eas-results. (FCC, Inside Radio)

**

RADIO LAW: FCC SEEKS COMMENTS ON BROADCAST INDECENCY

The FCC is seeking public comment on a proposed regulatory change to limit complaints to the agency dealing with broadcast indecency. Amateur Radio Newsline's Norm Seeley, KI7UP, is here with the details:

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The FCC indicates that General Docket No. 13-86 has been issued because it has a backlog of complaints dealing with alleged broadcast indecency and no way for it to investigate and act on each one individually. It notes that after the Supreme Court's decision in FCC vs. Fox Television Stations, Inc in September 2012, Chairman Genachowski instructed Commission staff to begin a review of the Commission's broadcast indecency policies and enforcement to ensure they are fully consistent with vital First Amendment principles. In the interim, the Chairman directed the Enforcement Bureau to focus its indecency enforcement resources on egregious cases and to reduce the backlog of pending broadcast indecency complaints.

Since September 2012, the Enforcement Bureau has reduced the backlog by 70%. That amounts to more than one million complaints. Most of these were simply beyond the statute of limitations or too stale to pursue, that involved cases outside FCC jurisdiction, that contained insufficient information, or that were closed by settled precedent.

The FCC says that the Enforcement Bureau is actively investigating egregious indecency cases and will continue to do so. However it is now seeking comment on whether the full Commission should make changes to its current broadcast indecency policies or maintain them as they are.

For example, the Commission wants to know if it should treat isolated expletives in a manner consistent with the way it currently does based on its decision in the Pacifica Foundation case of the 1960's, or should it instead maintain the approach to isolated expletives set forth in its decision in complaints against various broadcast licensees regarding their airing of the "Golden Globe Awards" program in 2004. It also wants to know if it should treat isolated non-sexual nudity the same as or differently than isolated expletives.

The FCC says that commenters are invited to address these issues as well as any other aspect of the Commission's substantive indecency policies. It also notes that the issuance of General Docket No. 13-86 does not alter any of the Commission's current substantive indecency policies. That means acceptance of new complaints and ongoing enforcement action will continue as is until the issues in General Docket 13-86 have been decided.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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Comments on FC General Docket Number 13-86 will be due 30 days after publication in the Federal Register with reply comment due no later than 60 days after publication in the Federal Register. You can download and read the text of this proposed rule making at tinyurl.com/fcc-indecency-rules. (FCC)

**

NEW PRODUCTS: FREE REPEATER LOCATOR FOR IPHONE/IPAD

A free Repeater Directory App for the UK, Europe, Australia, New Zealand, South America and more is now available for iPhone and Android based smart devices. Repeater Locator enables the traveling ham to easily find repeaters across most populated areas of the world using GPS or a Locator to find repeaters. The app also makes available the complete database of United Kingdom analog, IRLP, Echolink and D-Star repeater and a growing world repeater database covering all but North America. Also the Android version supports the BlueCAT, FT-857 and FT-817 Bluetooth CAT interface that allow a user to simply touch a repeater to instantly his or her your radio. You can find Repeater locator by searching for ZBM2 at the Apple App Store or the Play store (M1HOG)

**

HAMVENTION 2013: ROOMS AVAILABLE AT THE UNIVERSITY OF DAYTON

According to an April 13th posting to the Dayton Hamvention Yahoogroups Remailer from the University of Dayton, the campus housing had about 15 rooms each accommodating between 4 to 6 people available for Hamvention weekend. The posting by the University notes that it has been offering lodging to Hamvention attendees for over 15 years. If you are looking for a last minute place to stay for this years Hamvention try taking your web browser to tickets.udayton.edu. (Hamvention Remailer)

**

HAM HAPPENINGS: IDXC 9TH ANNUAL DX CONVENTION

IZ8EDJ reports that details of Italy's 9th International DX Convention to be held on April 28th, in Capaccio-Paestum are now available at tinyurl.com/italy-dx-meeting. The offical Web site for the convention itself is on the web at www.dxitalia.it (Southgate)

**

NAMES IN THE NEWS: KJ4EMJ NAMED TO SENIOR STATE DEPARTMENT TELECOM POST

Back here in the USA, Julie N. Zoller, KJ4EMJ, has succeeded Richard C. Beaird at the Department of State. This in the role of Senior Deputy Coordinator of the Office of Multilateral Affairs, Communications and Information Policy Directorate, Economics and Business Affairs Bureau.

The ARRL reports that in this position, she will serve as principal advisor to the United States Coordinator for International Communications and Information Policy.

More on her appointment is on-line at tinyurl.com/zoller-appointment. (ARRL)

**

HAM HAPPENINGS: SPECIAL EVENT STATION TO HONOR CODE TALKERS

The Lawton Fort Sill Amateur Radio Club will be hosting a special event station from May 8th to the 11th at the Comanche National Museum in Lawton, Oklahoma. This to commemorate the work of the Comanche Code Talkers of World War II.

According to Wikipedia, the Code talkers were people who used obscure languages as a means of secret communication during wartime. The term is now usually associated with the United States soldiers during the world wars who used their knowledge of Native-American languages as a basis to transmit coded messages.

There were approximately 400 to 500 Native Americans in the United States Marine Corps whose primary job was the transmission of secret tactical messages. Code talkers transmitted these messages over military telephone or radio communications nets using formal or informally developed codes built upon their native languages. Their service improved communications in terms of speed of encryption at both ends in front line operations during World War II. (KC5FM)

**

RADIO HAPPENINGS: CRYSTAL RADIO AWARDS PRESENTED AT NAB

The recent National Association of Broadcasters annual Radio Luncheon provided the setting for the presentation of the 10 NAB Crystal Radio Awards. The event also featured a keynote address from famed composer, musician and program host John Tesh, the induction of Dave Ramsey into the NAB Broadcasting Hall of Fame and a Crystal Heritage Award to radio station KNOM AM and FM of Nome, Alaska. The Crystal Radio Awards recognize radio stations for their outstanding year-round commitment to community service. The luncheon was sponsored by ASCAP, the American Society of Composers, Authors and Publishers. For those not aware, John Tesh wrote and performed the music score for the 1986 ARRL video "The New World of Amateur Radio." (RW)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

HAM RADIO IN SPACE: RADIO AMATEURS GET $25,000 FOR CUBESAT FROM JPL

Two college professors who are also ham radio operators have received a substantial monetary grant from the Jet Propulsion Laboratory to help them construct and launch a research satellite. Bill Pasternak, WA6ITF, is in our newsroom with more:

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Professors Sharlene Katz, WB6FFE, and James Flynn, WB9AWX, are a part of a California State University at Northridge team that has received $25,000 from the Jet Propulsion Laboratory for a CubeSat research project. There is also an award of $30,000 for the project listed by The University Corporation.

The April 15th edition of the campus newspaper The Sundial carried a report on the university's CubeSat project that has a mission of testing alternative power techniques for satellites and spacecraft. Measuring only 10 by 10 by 20 centimeters, the satellite will be packed with solar cells and special software to achieve this goal.

In order to communicate with the CubeSat, the team is also building an automated ground station on top of a campus building. The station will not only help the team track university's CubeSat, but other satellites as well. This is because it will become part of the Global Educational Network for Satellite Operations. This is a community of universities around the world that track and communicate with satellites.

Currently, the project is in phase one. Phase two is set to start during the fall semester of 2013, and the team is hoping to complete the satellite by December of 2014. Typically, it would cost another $45,000 just to launch the satellite, but thanks to the sponsorship from the Jet Propulsion Laboratory the satellite will be hitching a ride into orbit in just a few years.

For the Amateur Radio Newsline, I'm Bill Pasternak, in the newsroom in Los Angeles.

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You can read the full story of the creation of this new bird on-line at tinyurl.com/cal-state-northridge-satellite. (CSUN)

**

RADIO AND SCOUTING: WASHINGTON STATE EVENT A MAJOR SUCCESS

A ham radio related Youth Workshop on Saturday, April 13th at the Lake Washington Institute of Technology in Kirkland, Washington is being called a big success. This thanks to the hard work of the amateur radio support team at the event.

According to planners, there were over 100 Electricity, Electronics and Radio Merit Badges completed by the 58 youngsters who were registered at the event. These are considered Science, Technology, Engineering, and Mathematics or STEM Merit Badges and part of the STEM / NOVA Award sponsored by the Boy Scouts of America.

There were 14 adults and 14 scouts that qualified for their amateur radio licenses. Five of the adults were Scout Masters. Some of the others were from scouting troops and the Lake Washington Ham Club. Another event of this type is in the planning stages for September

14th. (N7DRW, K7APS and AE7TD via K9JA)

**

HAM RADIO PUBLICITY: PAPA SYSTEM AND PALOMAR ARC AT FRYS

Southern California's PAPA System and the Palomar Amateur Radio Club will jointly host an Operating Day at Fry's Electronics in the city of San Marcos on Sunday April 28th. This will be a demonstration to educate the public about how amateur radio helps in the community.

This operation will begin at 9:00 am and run though 4:30 pm Pacific Daylight time. Club members will be available to answer questions and encourage the public to try amateur radio on site. They will be demonstrating HF through 70cm operations plus D-Star, Packet Radio and Winlink. Also available will be past copies of CQ and QST magazines, flyers from local clubs, and a public radio use flyer.

For more information on this event please drop an email to admin (at) papasys (dot) com. (PAPA)

**

HAM CELEBRATIONS: 40 YEARS OF THE CATALINA REPEATER

And word of congratulations to the Catalina California 2 meter repeater. This as it celebrates of 40 years of continuous service to the regions ham radio community.

On April 27, 1973, system came on the air with a 10-watt voice from Catalina Island and amazing 1,300 square mile coverage. Now in 2013 the system, operated by the Catalina Amateur Repeater Association remains one of the most popular in the region. And over the four decades of its operation there have been many improvements to both its coverage and the service it provides to the community.

The complete story of the creation of this system located some 26 miles off the Pacific coastline was featured in the April 1974 cover story of 73 Magazine. Even though the magazine itself is long gone you can read the story or download it at from an on-line archive tinyurl.com/catalina-repeater-at-40 (CARA)

**

DX

In DX, listen out for special event station XR86PL to be active until April 30th to commemorate the 86th Anniversary of the Chilean Police. Operations are on all bands using SSB, RTTY and PSK. QSL via the operators home callsign or CE3ETE.

CT1FTR will be in Khartoum, Sudan until June. He is signing ST2FT. QSL as directed on the air.

AC6DD will be active stroke 9A from Sveti Nikola, Croatia. This during the RSGB Islands on the Air Contest on July 27th and the 28th. If you make contact QSL via AC6DD.

KT3Y, K9VV and WP2XX will be active from the KP2M rental shack on St. Croix Island during the CQ World Wide WPX CW Contest from May 25th to the 26th as a Multi-Single entry. QSL direct only via AI4U or Logbook of the World. No QSL's will be accepted via the bureau.

Lastly, ZL1GO and ZL3CW reportedly will use the callsign N8A during their American Samoa operation between November 12th and the 26th. More information on this upcoming operation as soon as it is made available.

(Above from various DX news sources)

**

THAT FINAL ITEM: GOOGLE EXEC PREDICTS EVERYONE IN THE WORLD ON-LINE BY 2020

And finally this week, do you believe what Google Executive Chairman Eric Schmidt says that everyone in the world will be on-line by the end of the decade? Amateur Radio Newsline's Cheryl Lasek, K9BIK, has the rest of this rather interesting prediction.

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On Saturday April 13th Google Executive Chairman Eric Schmidt stated on his Google Plus blog that for every person online, there are two who are not. He went on to add that by the end of the decade, he predicted that everyone on Earth will be connected by 2020. A day later, Schmidt added - and we quote: "Think about how great the internet is now with 2 billion users. Now think about how amazing it will be when 5 billion come online in a decade."

But can Schmid's prediction come true? As pointed out in one news article, Google itself supports a project called Geeks Without Frontiers. This is described as a nonprofit group that donates computers and related wireless access technology to poor areas around the world. The organization's current focus is to bring such wireless access to parts of Mexico, Central America and Africa. These are regions without any traditional form of wired Internet access.

Also, back in 2011 Geeks Without Frontiers announced that it had developed its own low cost open source WiFi software. At that time it said that by driving down the cost of metropolitan and village scale Wi-Fi networks, millions more people will be able to reap the economic and social benefits of significantly lower cost Internet access

The rise of the mobile access expected to play a role. In parts of Africa it's reported that more people have access to a mobile phones than have electricity. Google itself notes that in South Africa 25% of its searches during the week are made via mobile devices and that rises to 65% on the weekends.

So will every man, woman and child be on-line by 2020? There's no way to be certain but Google leaders rarely make predictions that they know won't come true. So the bottom line is, don't rule this one out. And if it does happen it will likely be thanks to Wi-Fi which is in itself nothing more than a form of digital two-way radio.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

According to the International Telecommunication Union, at this time approximately 38% of the world's population is currently using the Internet in some way. That's up from about 35% who were on-line in 2012. But with poor and developing nations around the world isolated by nonexistent Internet infrastructures, and others hindered by government censorship, some wonder if Eric Schmidt's vision might be a bit overly optimistic. Then again as time has proven, Google is rarely wrong. (bizjournals.com, digitalspy.com, others)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jeff Clark, K8JAC, saying 73 and we thank you for listening.

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166. 30 Years Ago: Astronaut W5LFL to Communicate on 2 Meters from Space Shuttle

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-20 21:08:38 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <5172dbf0$0$81745$540ea2cf@novia.net>
Source record: 176
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.space

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: ad7i <utzoo!decvax!harpo!floyd!vax135!ariel!lime!houxe!hogpc!houxq!houxp!ad7i>
>Subject: ARRL 30: 2 Metre Shuttle Communications
>Newsgroups: net.ham-radio
>Date: Wed Apr 20 08:13:13 1983

qst de ad7i
holmdel, new jersey, u.s.a.
hr arrl bulletin nr 30 from arrl headquarters
newington ct april 18, 1983
to all radio amateurs bt

astronaut owen garriott, w5lfl, will operate an amateur radio station
aboard the next space shuttle mission, scheduled for september 1983.
on april 16, nasa officially approved a joint arrl/amsat proposal to
include an amateur station aboard the sts 9/spacelab flight. the
joint arrl/amsat proposal calls for arrl to furnish the special
amateur radio equipment for use on the shuttle, and to organize and
coach amateurs in procedures for rapid and efficient communications
with the shuttle. this operation, which will be on 2 meter fm, will
mark the first time in the history of space exploration that the
general public will be able to communicate directly with an astronaut
in orbit. details will be forthcoming in qst ar

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlFy27AACgkQ6Pj0az779o5i+ACgjIp/pbDfSuvJvWzEnPQlNgWr
jzkAoJfL2mmyuvmK6aMwluIxQdgCXMmh
=pnLO
-----END PGP SIGNATURE-----
```

167. Re: 30 Years Ago: Astronaut W5LFL to Communicate on 2 Meters from Space Shuttle

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-21 00:10:33 UTC
From: Patty Winter <patty1@wintertime.com>
Message-ID: <51732e72$0$52817$742ec2ed@news.sonic.net>
Source record: 177
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.space

In article <5172dbf0$0$81745$540ea2cf@novia.net>,
Paul W. Schleck <pschleck@oasis.novia.net> wrote:
>
>This is from a web-site that is replaying Usenet, including
>net.ham-radio, from 30 years ago (currently early 1983). The site is:
>
> http://www.olduse.net
>
>
>>From: ad7i
>>Subject: ARRL 30: 2 Metre Shuttle Communications
>>Newsgroups: net.ham-radio
>>Date: Wed Apr 20 08:13:13 1983
>
>
>hr arrl bulletin nr 30 from arrl headquarters
>newington ct april 18, 1983
>
>astronaut owen garriott, w5lfl, will operate an amateur radio station
>aboard the next space shuttle mission, scheduled for september 1983.

Here's a photo I took of him as he was about to board the astronaut van.
Turns out that yelling "73, Owen!" can get a ham's attention even at a
moment like this when his mind is on a million other things. ;-)

http://www.wintertime.com/OH/sts9-walkout.jpg

Patty

168. Welcome to rec.radio.info!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-22 06:00:02 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/welcome-1-1366610401@panix.com>
Source record: 178
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/welcome
Revision: 1.5 2013/02/21 04:09:48
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** Welcome to rec.radio.info! ***

Welcome to rec.radio.info, a group that aims to provide a noise-free
source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group
every month. You are now reading the first article, which explains what
rec.radio.info is, and answers some Frequently Asked Questions. The
second article is titled Posting Guidelines, and you only need to read
it if you want to submit an article to rec.radio.info.

You can skip to the next section of this article by searching for the
next
" -- " string. The sections available are:
- What is the purpose of rec.radio.info?
- Why are messages almost always cross posted to rec.radio.info?
- What is a 'follow-up', and what does 'moderated' mean?
- OK, so now I know what 'moderated' means. Tell me more.
- What type of material is considered inappropriate?
- I do not have access to news, how can I get the information posted to
rec.radio.info?
- Will the material appearing in rec.radio.info be archived somewhere?
- I have a regular posting with timely information, is there a way to
speed up it's delivery, or automate for more convenience?

-- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet
community with a resource for information, news, and facts about any and
all things radio.

All the other rec.radio groups are intended for discussions and general
chit chat about radio. Rec.radio.info will contain informational,
factual articles only. Follow-ups are redirected to an appropriate other
group, and further discussion (if any) will not take place in
rec.radio.info.
```

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- Why are messages almost always cross posted to rec.radio.info?

It provides a "tag" for each article to be assembled into a filtered presentation in rec.radio.info (even with cross-posting, only one message, with a unique Message-ID, is propagated across the net). This tag also facilitates a pre-existing method of dropping or canceling the articles locally within the discussion groups if you don't want to see them. This accommodates individuals who want to separate the bulletins from the discussions, discussions from the bulletins, as well as those who are adamant about not reading another newsgroup and wanted to see everything all in one basket.

With the total size of Usenet (in number of newsgroups and total traffic) doubling every year or so, this is no insignificant contribution to reducing information noise and chaos. Making the discussion groups a catch-all, and making extra newsgroups filters on that catch-all, is also the most realistic way to implement such a scheme (It's not intuitively obvious what the charter, contents, and general appropriate topics for each and every newsgroup are. Seeing FAQ's and charter/intro postings in the home newsgroup is beneficial for new readers).

By cross-posting one only is adding a few tens of bytes to each bulletin (to specify the extra group on the Newsgroups line), but are adding the capability for very powerful filtering features available on most news servers, listservers and readers. Your local news guru could probably explain these features in more detail.

In rn, for example, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

/Newsgroups:.*[,]rec\.radio\.info/h:j

either in ~/News/KILL (if you don't want to see rec.radio.info articles anywhere) or ~/News/rec/radio/amateur/misc/KILL (if you don't want to see them just in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

rec.radio.info:!s/:^

in ~/.nn/kill (if you don't want to see rec.radio.info articles anywhere), or put the following lines:

sequence
rec.radio.info
rec.radio.

at the end of ~/.nn/init in order to see all the rec.radio.info bulletins first, then read the remaining rec.radio.* without the

bulletins.

In slrn, according to the srln FAQ, the following scoring rule will allow you to see rec.radio.info-crossposted bulletins, while still filtering out most SPAM or "Velveeta" crossposted to more than 2 newsgroups (as such articles usually do not contain a 'Followup-To:' header):

Score: -9999
Newsgroups: ,.*,
~Followup-To: .

More information about kill files may be obtained from Dave Fawthrop's Killfile FAQ at:

http://static.slated.org/killfile/killfilefaq.htm |

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup news.announce.newusers. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to news.announce.newusers.

For the rest of this article, we will assume you have a basic knowledge of Usenet terminology and mechanics.

A moderated group means that any article that needs to be posted to the group has to be accepted by the moderator of the group. Since we need to ensure that followups to an article (discussion) do not show up in the rec.radio.info newsgroup, the `Followup-To:' header line contains a newsgroup that is appropriate for discussions about the specific article.

-- OK, so now I know what 'moderated' means. Tell me more.

Rec.radio.info is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is the rec.radio.amateur.moderated Moderation Team. Submissions to rec.radio.info can be posted, or e-mailed to:

rec-radio-info@panix.com

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

rec-radio-info-request@panix.com

But before you do so, please be sure to check out the "Posting Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

1) Requests for information: rec.radio.info is strictly a one-way street. We receive information in our mailbox; we then post it to rec.radio.info. Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.

2) Obvious discussion articles, or articles that appear unsubstantiated.

3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, We would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. We reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all we can allow.

-- I do not have access to news, how can I get the information posted to rec.radio.info?

Google has an excellent web interface to Usenet newsgroups. It is available at:

http://groups.google.com

It supports both reading and posting.

Another excellent web interface to at least the radio-related Usenet newsgroups is the RadioBanter site:

http://www.radiobanter.com

sponsored by the NewsgroupBanter project:

http://www.newsgroupbanter.com

It, too, supports both reading and posting.

-- Will the material appearing in rec.radio.info be archived somewhere?

Yes. See Google Groups and RadioBanter above.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as time critical.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires co-operation and goodwill to be beneficial to the community in the rec.radio hierarchy.

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

169. rec.radio.info Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-22 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/guidelines-1-1366610700@panix.com>
Source record: 179
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/guidelines
Revision: 1.6 2013/02/21 04:09:06
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** rec.radio.info - Posting Guidelines and Etiquette ***

Two introductory articles about rec.radio.info are posted to this group
and to rec.answers/news.answers every month. You are now reading the
second article, which explains how to submit something to
rec.radio.info, and which answers some Frequently Asked Questions about
the submission process. The first article is titled "Welcome to
rec.radio.info", and it might be a good idea to check it out as well.

-- How do I submit something to rec.radio.info?

Two possibilities. You can use your newsreading software to just post
the article to rec.radio.info, as you would do with any other
newsgroup. The difference is that the software recognizes the special
status of rec.radio.info as a moderated group, and will e-mail your
article to us, the moderation team, instead of posting it to the group.

Alternatively, you can mail your article directly to us at the following
address:

rec-radio-info@panix.com

Mailing us directly is probably (a wee bit) faster, but using the
transparency offered by the newsreading software is probably more
convenient.

If you have any questions, or wish to deal with some administrivia with
the moderation team, we suggest mailing to the following address:

rec-radio-info-request@panix.com

-- How soon will I see my article appear?

It depends on how busy we are. Your article reaches us as mail, we have
to read it first, give it the stamp of approval, and finally send it on
to the group. We will attempt to read and decide on all submissions
within 72 hours at the very least, though we will probably be able to
process submissions much faster in actual practice.
```

The site from which we moderate this newsgroup, "Public Access Internet and Unix, NYC" (Panix), is directly connected to the Internet, and articles posted at that site should appear at most major news sites, including Google Groups, the same day. The principal delay, therefore, will be the wait in the moderator's submission queue.

If you post a periodic article, and have shown to be trustworthy, we may allow you to post directly if the article is of a timely nature. See the section below on direct posting.

-- Should my article be in a specific format?

No. If it is not totally illegible, we will accept it, and if it does not have a correct subject-line we will correct it with your permission -- that's what a moderator is for.

However.

You could do us a big favor by making sure your article conforms to these simple requirements:

1) The article must present information, not discussion or requests, We will reject the article or require you to change the wording if it is worth it.
2) A good, descriptive Subject line.
3) Always mention what source you got the information from.
4) Don't forget to include a Followup-To header, at least if you don't want further discussion to automatically be forwarded to you, the poster, which is the default if the article is only posted to rec.radio.info.

As we said: if your article is appropriate we will post it even if you don't follow these guidelines, but then don't blame us for not processing it immediately. 'Perfect' articles we can send on with a couple of keystrokes. Stuff that needs minor editing is going to have to wait until we have time to do so.

Please do not waste both our and your time by posting requests, as this is an information only news group.

-- What about crossposting?

If you send something to rec.radio.info, just name any group you'd like to cross-post to in the Newsgroups field. Then, when we approve the article for rec.radio.info it will get automatically cross-posted to any other groups mentioned. This will also override the default Followup-To: poster, replacing it with the groups you cross posted to.

We would prefer if the group be cross-posted to the various discussion groups in the rec.radio.* hierarchy that are appropriate:

rec.radio.amateur.antenna Antennas: theory, techniques and construction. |
rec.radio.amateur.boatanchors Vacuum tube-based amateur radio equipment. |
rec.radio.amateur.digital.misc Packet radio and other digital radio modes. |
rec.radio.amateur.dx Discussion, tips, notices and news for DXers. |

rec.radio.amateur.equipment All about production amateur radio hardware. |
rec.radio.amateur.homebrew Amateur radio construction and experimentation. |
rec.radio.amateur.misc Amateur (ham) radio and related matters
rec.radio.amateur.policy Amateur Radio practices, rules, etc.
rec.radio.amateur.space Amateur radio transmissions through space. |
rec.radio.shortwave International broadcasting on the 'HF' bands
rec.radio.cb Citizens Band (27 MHz) discussion
rec.radio.scanner Scanner discussions (unsupported group)

or in one of the moderated groups:

rec.radio.amateur.moderated Amateur radio practices, rules, etc.
rec.radio.broadcasting Discussion of *domestic* radio broadcasting

We will leave it up to the poster to decide which group(s) are
appropriate, but reserve the right to add groups if we feel it has
broader interest. We will consult with the poster first.

Notes on crossposting:

- rec.radio.broadcasting is also a moderated group. The
rec.radio.broadcasting moderation team prefers to review all articles |
before posting. Placing rec.radio.broadcasting before rec.radio.info |
on the Newsgroups line should accomplish this. We will typically |
abide by the rec.radio.broadcasting moderation team's decision whether |
the article is appropriate for rec.radio.info. |

- rec.radio.amateur.moderated is also a moderated group. As the
rec.radio.amateur.moderated Moderation Team manages both
rec.radio.amateur.moderated and rec.radio.info, we can manage
crossposting and approvals for both newsgroups. The
rec.radio.amateur.moderated group does not allow crossposting to other
discussion newsgroups, whether moderated or unmoderated. However, we
would like to manage rec.radio.info as consistently as possible with
how it was done by previous moderators, including the grandfathering
of existing regular postings. Therefore, the submitter can choose
rec.radio.amateur.moderated or the other unmoderated
rec.radio.amateur.* discussion newsgroups for crossposting, but not
both.

- Any FAQ or informational posting approved by the
rec.answers/news.answers moderation team that is also crossposted to
any rec.radio.* newsgroup (besides just rec.radio.info) is also
automatically pre-approved for rec.radio.info. See below for more
information.

If you post to another moderated group, it may be better to make special
arrangements with both moderators before posting by contacting us at our
administrivia addresses.

In addition, cross-posts do not take up extra space; modern newsreaders
can be configured to show you cross-posted articles only once anyway;
not everybody reads rec.radio.info; and rec.radio.info was never meant

to reduce the volume of the regular discussion newsgroups. But keep in mind that some of the mail gateways may filter out the informational postings (at request of the subscribers) to keep the load down.

You decide.

-- I have a regular posting with timely information, can I make arrangements to help speed up delivery by posting directly from my site?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires cooperation and good will to be beneficial to the community in the rec.radio.* hierarchy.

If you are currently maintaining (or plan to maintain) a radio-related periodic information posting, you may wish to consider crossposting it to rec.answers/news.answers. Postings that are approved by the rec.answers/news.answers moderators for this treatment are automatically pre-approved for crossposting to rec.radio.info (as the news.answers requirements are far more rigorous than the requirements this newsgroup ever plans to use). For more information about this option, consult the appropriate information articles and posting guidelines in rec.answers/news.answers.

Realize also, that even if your post is not approved for rec.answers/news.answers, it can still be approved for rec.radio.info. The intention is not so much to get every last bit of radio-related information on rec.answers/news.answers, but rather to provide an alternative avenue of approval (as well as grandfather existing maintainers of radio-related information and spare them additional bureaucratic hurdles). Again, crossposting to either rec.radio.info or rec.answers/news.answers, both, or neither, is at the discretion of the poster (subject to the approval of the moderators). You decide what is most appropriate for your article.

Please remember that as an information maintainer, you are not alone. There are many others on the net who maintain and post periodic information postings, using various intermediate-to-advanced features of Usenet (usually via automated tools). Various degrees of technical support and general hand-holding are available from many Usenet veterans. Send us some E-mail describing your needs to our administrative address below, and we'll try to help, or at least refer you to the right knowledgeable individual(s).

-- And Follow-ups?

If the only newsgroup you have specified is rec.radio.info, then the Followup-To: field will always be set to poster. If you do not want this, you must supply a Followup-To line of your own, and we will honor that one, as long as it is a subset of the original Newsgroups line.

If you specify newsgroups to cross-post to, then the Followup-To field will be set to include all the cross-posted groups, excepting rec.radio.info itself. Again, if you do not wish this behavior, supply your own Followup-To line.

We maintain other standards on the various RFC-1036 (news transport) header lines. For example, if the article is appropriate for passing into the Packet Radio Information Network, we encapsulate the Packet Bulletin Identifier (BID) in the Message-ID: news header line indicating the machine of origin as the ampr.org domain:

Message-ID: <$opa.55.1994@ampr.org>

where the Packet Radio BID, in this example, is `$OPA.55', and it was posted in the year 1994, because some of the Bid numbers are cycled yearly. Hopefully, this can be used as a key to re-introduce the articles for the Packet Radio network. Also, if the article is a repost of an already existing information article in the rec.radio heirarchy, we ensure that the References: header line is linked to that previously posted article. This also helps to tag articles, and may be used for additional filtering if needed.

Since the articles are archived, please use the Summary and Keywords header lines to help one search for your article.

-- Why have I received no reply from you?

We never reject anything in silence, and we make a point of it to answer all our mail. However, E-mail, like a brain cell, can and does get lost, every now and again.

So, if you send us something, and you don't see it appear it rec.radio.info, and you still have not heard from us in reply after say, five days, you can be pretty sure that either your mail never reached us, or that our answer has never reached you. In that case, please try again (We will filter out duplicates).

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

170. FCC Daily Digest 04/23/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-23 17:36:46 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527461-2013.04.23-12.57.28--rec-radio-info#panix.com@info.fcc.gov>
Source record: 180
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 77 April 23, 2
013

[...]

RUBEN D. LOPEZ, JR. Issued an Official Citation to Ruben D. Lopez, Jr. f
or operation of an incidental radiator, which caused harmful interference.
Action by: District Director, Tampa Office, South Central Region, Enforcem
ent Bureau. Adopted: 04/23/2013 by Citation & Order. (DA No. 13-805). EB
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-805A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-805A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-805A1.txt

[...]

171. The ARRL Letter for April 25, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-25 21:48:38 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130425191753.218E126D8F3@bmail.arrl.org>
Source record: 181
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

April 25, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
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+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC ENFORCEMENT: FCC ANNOUNCES ENFORCEMENT ACTIONS FOR
JANUARY-MARCH 2013

In the first quarter of 2013 (January-March), the FCC issued 23
enforcement actions. These enforcement actions are in addition to the
$10,000 fine issued to Jared A. Bruegman, ex-KC0IQN, of Bolivar,
Missouri, and the $25,000 fine issued to Terry L. VanVolkenburg, KC5RF,
of Cocoa, Florida, as previously reported.

This past quarter, the FCC sent Warning Letters to 10 individuals
regarding unlicensed transmissions, interference and repeater-related
infractions. In addition, the FCC sent Warning Letters to four
commercial entities or individuals that had conducted commercial
operation on the amateur bands. The FCC also sent one letter to a power
company, as well as eight letters addressing RFI complaints regarding
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interference from various electronic devices, including plasma television sets, electric fence chargers and grow light ballasts. Read more <http://www.arrl.org/news/fcc-announces-enforcement-actions-for-january-march-2013>.

==> + FCC ENFORCEMENT: RADIATING WELL PUMP LEADS TO FCC CITATION FOR INTERFERENCE TO AMATEUR RADIO

The FCC has issued a Citation and Order to Ruben D. Lopez Jr of Pomona Park, Florida. The Citation, issued April 23, was in response to several complaints concerning a well pump at Lopez's residence that was acting as an incidental radiator and causing harmful interference to local radio amateurs. In July 2010 and February 2011, the FCC received complaints from radio amateurs regarding interference on the MF and HF Amateur Radio bands. Upon investigation, the FCC found that a well pump at Lopez's residence was causing the interference, and advised Lopez of the complaints and of the rules regarding interference to licensed radio services. The FCC instructed Lopez to resolve any interference. In October 2012 -- in response to another interference complaint coming from Lopez's residence -- FCC agents used direction finding equipment to identify Mr Lopez's well pump as the source of transmissions on the frequency 1800 kHz. Read more <http://www.arrl.org/news/florida-man-cited-for-causing-harmful-interference-to-radio-amateurs>.

==> +PUBLIC SERVICE: CHINESE AMATEURS ASSIST IN EARTHQUAKE'S AFTERMATH

On the morning of Saturday, April 20, a powerful earthquake measuring 7.0 on the Richter scale struck Ya'an City in China's Sichuan province. The epicenter was near Lushan County. As of Wednesday, April 24, almost 200 people have been killed and more than 11,000 people are injured.

Radio amateurs in Sichuan province took immediate action. Liu Hu, BD8AAA, and BA8DX led a team to the disaster area to provide emergency communication services. Even in the aftermath of the earthquake, the FM repeater in Ya'an City was still functioning; BG8FUW in Lushan County and BG8EYD in Ya'an City used this repeater to coordinate local efforts.

According to IARU Region 3 Disaster Communications Committee Chairman Jim Linton, VK3PC, it has been raining in the earthquake area. "Effective traffic control has been very important to transport tents, water, foods and medicines into the area," he said. "The rural communities around Ya'an City are along the same seismic fault where the Great Sichuan Earthquake killed more than 90,000 people five years ago in one of China's worst natural disasters. The latest earthquake on Saturday left tens of thousands of people in tents or cars, unable to return home or too afraid to go back as aftershocks continued. Badly hit Lushan County is now a large refugee camp, with tents set up and volunteers providing meals."

Immediately after the earthquake, the Chinese Radio Sports Association and Chinese Radio Amateur Club asked all amateurs to avoid 3.855, 7.050 and 14.270 MHz, as these frequencies were being used for disaster relief communications. As of April 22, public communication is back to normal in the disaster area and amateurs are free to once again use these frequencies. -- Thanks to Fan Bin, BA1RB, and Jim Linton, VK3PC, for the information

==> + DAYTON HAMVENTION®: GET READY FOR THE 2013 ARRL EXPO AT THE DAYTON HAMVENTION

The Dayton Hamvention® -- the largest gathering of radio amateurs in the US -- is just around the corner, May 17-19. Held annually at the Hara Arena Conference and Exhibition Center in the Dayton suburb of Trotwood, Ohio, Hamvention is sponsored by the Dayton Amateur Radio Association.

This year's "ARRL Dayton Team" includes more than 100 people -- volunteers, officials and Headquarters staff. The centerpiece of the ARRL's participation is ARRL EXPO 2013, a large exhibit area in Hara's Ballarena Hall. First introduced in 2005, ARRL EXPO has become a popular mainstay at the event. "ARRL EXPO is a show-within-a-show, and the area will be filled with membership program representatives and exhibits that cover a variety of Amateur Radio topics and interest areas," explained ARRL Marketing Manager Bob Inderbitzen, NQ1R, who also serves as the ARRL EXPO Coordinator. "The ARRL has put together dozens of exhibits, programs and activities to help represent the very best of our programs, services and information. There will be something for every ham at ARRL EXPO."

This year's ARRL EXPO will include a spotlight on W1AW, the Hiram Percy Maxim Memorial Station. The world's most famous Amateur Radio station turns 75 in September. Dayton attendees will enjoy a special W1AW exhibit, including photographs of the station from over the years. Read more
<http://www.arrl.org/news/get-ready-for-the-2013-arrl-expo-at-the-dayton-hamvention>.

==> CELEBRATE 75 YEARS OF W1AW WITH COMMEMORATIVE GEAR

W1AW, the Hiram Percy Maxim Memorial Station, is celebrating its 75th anniversary this year, and what better way to show your support of Amateur Radio's flagship station than by sporting W1AW commemorative gear! The ARRL is pleased to present a limited edition T-shirt, key chain, pin and challenge coin to mark this milestone. Your purchase helps support W1AW -- $5 from every shirt purchased and 100 percent of the key chain and pin proceeds go directly to the W1AW Endowment Fund. Read more
<http://www.arrl.org/news/celebrate-75-years-of-w1aw-with-commemorative-gear>
.

==> + SEATTLE WILL HOST THE 32ND DIGITAL COMMUNICATIONS CONFERENCE

Digital communications enthusiasts will be heading to the Pacific Northwest this autumn for the 32nd annual ARRL/TAPR Digital Communications Conference (DCC), September 20-22, at Cedarbrook Lodge near Seattle, Washington. The ARRL/TAPR DCC is an international forum for radio amateurs to meet, publish their work and present new ideas and techniques. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results and practical applications. The DCC is for all levels of technical experience -- not just the expert. Introductory sessions are scheduled throughout the conference to introduce new technical topics for both beginners and experts. Read more
<http://www.arrl.org/news/seattle-will-host-the-32nd-digital-communications-conference>.

==> CHANGES TO FCC RADIOTELEGRAPH OPERATOR CERTIFICATES COMING MAY 20

Effective May 20, 2013
<http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db0419/DA-13-798A1.pdf>,
the FCC will no longer accept applications for First (T1), Second (T2) or Third Class (T3) Radiotelegraph Operator Certificates. In addition, the FCC has consolidated the T1 and T2 Radiotelegraph Operator Certificates into a new license class called the Radiotelegraph Operator License (T). According to the FCC, this change takes effect upon renewal: T1s and T2s that are renewed on or after May 20, 2013 will be renewed as Ts, but existing T1s and T2s will retain their current license class for the duration of the current license term. The Commission also consolidated theT3 with Marine Radio Operator Permits (MP); T3s renewed on or after May 20, 2013 will be renewed as MPs, but existing T3s will retain their current license class for the duration of the current license term. These new rules were first announced in a Report and Order (WT Docket No. 10-177
<http://apps.fcc.gov/ecfs/document/view?id=7022100656>), issued January 8, 2013.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity was quiet this week: The average daily sunspot number declined nearly 23 points to 90.6, while the average daily solar flux values were down nearly 13 points to 109.1. The most active day was April 24, with a planetary A index of 19 and mid-latitude A index of 15. The average daily mid-latitude A index was the same this week as last, 4.9. The predicted solar flux is 115 on April 25-27, 120 on April 28-29, 125 on April 30-May 5, 120 on May 6, 115 on May 7-8, 120 on May 9-11, 115 on May 12-13, 110 on May 14-15, and down to 105 on May 16-18. The predicted planetary A index is 18 on April 25, 12 on April 26, 5 on April 27 through May 4, 8 on May 5, 5 on May 6-18, and then rising to 8, 12, 12, 15, 12 and 5 on May 19-24. Look for more information on the ARRL website on Friday, April 26. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page

<http://www.arrl.org/propagation-of-rf-signals>.

==> +SILENT KEY: ANTENNALYZER INVENTOR WENDELL C. MORRISON, W7LLX (SK)

Wendell C. Morrison, W7LLX, of Waukesha, Wisconsin, passed away October 18, 2012. He was 97. An ARRL member for 66 years, Morrison is perhaps best known for the Antennalyzer, an early analog computing device for designing multi-tower AM directional arrays. Morrison worked for the Radio Corporation of America (RCA) all his life. While at RCA, he was part of the RCA Laboratory in Princeton, New Jersey, where in the early 1940s, Morrison, together with George H. Brown, developed the Antennalyzer. Read more <http://www.arrl.org/news/antennalyzer-inventor-wendell-c-morrison-w7llx-sk>.

==> THIS WEEK IN RADIOSPORT

This week:

- April 26 -- NCCC Sprint Ladder
- April 27-28 -- Florida QSO Party; SP DX RTTY Contest; 10-10 International Spring Contest (Digital); Helvetia Contest; QRP to the Field
- April 28 -- BARTG Sprint 75
- May 1 -- AGCW QRP/QRP Party

Next week:

- May 3 -- NCCC Sprint Ladder
- May 4 -- Microwave Spring Sprint (local time)
- May 4-5 -- New England QSO Party; Indiana QSO Party; 7th Call Area QSO Party; 10-10 International Spring Contest (CW); Araucaria VHF Contest; ARI International DX Contest
- May 7 -- ARS Spartan Sprint
- May 8 -- NAQCC-EU Monthly Sprint
- May 8-9 -- CWops Mini-CWT Test
- May 9 -- NAQCC Straight Key/Bug Sprint

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- April 26-28 -- ARRL Idaho State Convention <http://www.arrl.org/hamfests/idaho-state-convention-3>, Boise, Idaho; Eastern VHF/UHF Conference <http://www.arrl.org/hamfests/eastern-vhf-uhf-conference>, Manchester, Connecticut
- May 4 -- ARRL South Carolina Section Convention

<http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfe
st-1>,
Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention
<http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas

- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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172. Amateur Radio Newsline(tm) Report 1863 - April 26 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-04-26 09:00:16 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130426090003.6C44033C8E@panix2.panix.com>
Source record: 182
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1863 - April 26 2013

Amateur Radio Newsline report number 1863 with a release date of April 26 2013 to follow in 5-4-3-2-1.

The following is a QST. Ham radio rallyes to assist in the wake of a killer quake that hits China; another loss in the ongoing fight against B-P-L; a number of new hamsats are now on-orbit; the latest news on Hamvention 2013; a new D-Star repeater where few might expect it and a new book to interest the new ham and non ham alike. All this and more on Amateur Radio Newsline(tm) report number 1863 coming your way right now.

(Billboard Cart Here)

**

RESCUE RADIO: HAMS ASSIST AFTER SICHUAN CHINA EARTHQUAKE

Amateur radio was there to provide emergency relief communications after a powerful earthquake killed more than 185 people and injured several thousand in China's rural south-west on Saturday, April 20th. Graham Kemp, VK4BB, of the WIA News has more:

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Fan Bin, BA1RB, reported that amateur radio operators swung into action to provide emergency communications and coordinate parts of the disaster response. With toppled houses everywhere, rescuers frantically began their search of the rubble for survivors, while medical staff treated those hurt on the ground and in make-shift hospitals.

Panic was evident with survivors sheltering in cars and tents. Badly hit Lushan County is now like a large refugee camp with volunteers providing meals.

Fan Bin, BA1RB, has recently reported that public communication was back to normal in the disaster area and the local repeater systems continued to work.

He said the Chinese Radio Sports Association, also known as the Chinese Radio Amateur Club, no longer required emergency communication frequencies. It expressed thanks for the support from IARU member societies and others.

A role for some radio hams was maintaining traffic control, with emergency supplies arriving including tents, water, food and medicine.

Rain hampered search and rescue efforts in the quake zone, and added to fallen trees and landslides making progress slower in some areas. After-shocks also occurred.

The Sichuan provincial government reported that 3,000 kilometres of road and 327 bridges had been damaged. The total repair bill from the earthquake was put at $3 billion.

The central government of China, local officials, rescuers, relief workers and radio amateurs are much better prepared to deal with disasters, than has been the case in the past.

Neighboring Russia sent rescue teams, and the Red Cross from Hong Kong with an embedded radio amateur, are helping the on-going effort.

For the Amateur radio Newsline, I'm Graham Kemp, VK4BB, of the WIA News in Australia.

--

Five years ago a massive quake hit the same area. The 2008 disaster killed tens of thousands and left some five million people homeless. (WIA News, VK3PC,BA1RB, QRZ, BBC, others)

**

THE BPL FIGHT: FCC RULES AGAINST ARRL IN BPL APPEAL

Back here in the United States, word that the FCC rejected an appeal from ARRL and has upheld its current Broadband over Power Line rules. In denying the ARRL appeal the FCC said that the League had raised no new arguments, nor proved previous that FCC B-P-L related decisions contained mistakes.

The FCC went on to say that its previous decisions regarding B-P-L strike what it calls the right balance between the need to provide Access Broadband over Power Line technology while protecting incumbent radio services against harmful interference.

In a related story on the ARRL website ARRL Chief Executive Officer Dave Summer, K1ZZ, said that he wasn't surprised at the decision. However he also noted that some of the rhetoric used by the agency in continuing to defend what he termed as its wrong-headed promotion of the flawed BPL technology is disappointing. (ARRL)

**

HAM RADIO IN SPACE: ANTARES CARRYING PHONESATS MAKES IT TO ORBIT

The twice-delayed maiden flight of the Orbital Sciences Corporation Antares rocket carrying three CubeSats with amateur radio payloads has been called an overwhelming success as we hear from Amateur Radio Newsline's Bill Pasternak, WA6ITF, is in the newsroom with the details:

--

After a pair of delays due to technical and weather related problems the Antares rocket lunged skyward at 5 p.m. Eastern Daylight Time Sunday afternoon April 21st from a launch pad at NASA's Wallops Island Virginia Flight Facility. On board were three ham radio cubesats dubbed Phonesats because they were built using off the shelf smart phones.

All three of the Phonesat based cubesats carries an amateur radio payload downlinking on 437.425 MHz. Each cubesat will transmit during individual time slots using AFSK modulation at 1200 bps, AX.25 packet coding and have vertical linear polarization.

The two PhoneSat 1.0 satellites code named Graham and Bell transmit with a period of respectively 28 seconds and 30 seconds. The PhoneSat 2.0 beta satellite, Alexander, transmits with a period of 25 seconds. All of the tiny birds are using the callsign KJ6KRW.

The PhoneSat web page at www dot phonesat dot org provides access to the "Dashboard" allowing hams to track the location of the satellites in real time. Detailed information on the downlink packet telemetry format can be found on this page as well.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in Los Angeles.

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The orbit of the PhoneSat satellites is very low and are expected to only remain on-orbit for two weeks. The satellites are battery powered with no additional charging from solar cells or any other source. (ANS, NASA, others)

**

HAM RADIO IN SPACE: OSSI-1 AMATEUR RADIO CUBESAT LAUNCHED

The OSSI-1 CubeSat along with three other satellites were launched to orbit from the Bikenour Cosmodrome in Kazikstan on Friday, April 19th. Also on-board the Soyuz-2-1A launch vehicle were some research and commercial satellites.

Korean artist Hojun Song, DS1SBO has spent 7 years developing his Open Source Satellite Initiative satellite that he named OSSI-1. He has designed and built it from scratch using readily available components rather than expensive space qualified hardware. The launch reportedly cost him a cool $100,000 and is believed to be the first one person privately constructed and launched ham radio bird.

We will have more ham radio space related news later on in this weeks Amateur Radio Newsline report. (ANS, Southgate)

**

RESCUE RADIO: CELLPHONE FAILURE AT THE BOSTON MARATHON

Neither the Federal government nor any Massachusetts state agency or the Boston police ordered a shutdown of cellular telephone service in the Boston area following the terrorist bombing of the Boston Marathon on Monday, April, 15th. The systems simply failed of their own accord because too many people trying to use them at the same time. Amateur Radio Newsline's Norm Seeley, KI7UP, explains:

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On April 18th outgoing FCC Chairman Julius Genachowski said the FCC would follow up on cellular service issues at the Boston Marathon. This while emphasizing that broadband services had not been shut down after the bombings.

Genachowski conceded that the event again raised issues of communications and public safety like those the FCC has been working on for some time. However he went on to acknowledge that wireless networks were so overwhelmed by the temporary surge in traffic, that there were incorrect media reports that mobile services had actually shut down when they had not been.

What appears to be a fact is that most cellphone subscribers erroneously believe that the phone in their pocket should function perfectly 100 percent of the time. The reality is that the no cellular system currently in use can handle 100% of all of its subscribers at any one time. Or even 50% for that matter.

Most experts say that when most cellphone systems reach between 15 to 20 percent of its subscribers simultaneously using the service that it is at a point of limited network density. In other words it cannot handle any more subscribers more until those on-line hang up.

And that's what appears to have happened in Boston after the two bombs at the marathon finish line went off. It's also why the autonomous Boston Marathon ham radio communications networks continued to function flawlessly even when the cellphones failed.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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Genachowski said that the FCC will certainly pursue this issue along with other agencies. He called it an institutional imperative for the FCC. Meantime an excellent reference guide on what you can really expect from your cellphone including in emergency situations has been published on-line by the FCC. You can find it on the web at tinyurl.com/cellphone-reality. (FCC, Wikipedia, published news reports)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KB5ELV repeater serving Erie, Pennsylvania.

(5 sec pause here)

**

RESCUE RADIO: WAS EAS USED FOLLOWING THE BOSTON MARATHON BOMBING

Emergency Alert System expert Richard Rudman, W6TIA, says initial feedback from the Boston area indicates emergency officials did not use the EAS to issue shelter-in-place warnings when authorities were looking for the bombing suspect.

According to Rudman, if reports from the greater Boston area show that EAS was not used to issue the shelter-in-place warning, it's time for the entire emergency management community to take to heart and put in practice FEMA's still new protocol known as the Integrated Public Alert and Warning System or IPAWS.

If you happen to know for certain whether or not Boston officials did or did not utilize the Emergency Alert System for public notification in the aftermath of the marathon bombings or to issue the shelter in place order, please let us know. We in turn will be happy to pass along the information to W6TIA.

More on this story is on-line at tinyurl.com/boston-eas-alerts (RW)

**

RESCUE RADIO: FCC ADOPTS RULES TO PROVIDE EMERGENCY INFO TO THE BLIND

The FCC has adopted rules requiring that emergency information provided in video programming be made accessible to individuals who are blind or visually impaired. It's also mandating that that certain apparatus be capable of delivering video description and emergency information these citizens.

Specifically, the rules clarify that the new emergency information requirements apply to video programming provided by entities that are already covered by Section 79.2 of the Commission's rules along with any other distributor of video programming for residential reception that delivers such programming directly to the home and is subject to the jurisdiction of the Commission.

The complete text in PDF format is on-line at tinyurl.com/emergency-alerts-for-the-blind. (CGC, FCC)

**

ENFORCEMENT: TWO BUSINESSES CITIED FOR CELL JAMMER USE

Two businesses have been told that they will have to pay some heavy duty fines for importing and using cellphone jamming devices. Amateur Radio Newsline's Steffen Kinford, N8WB, reports:

--

On April 9th the FCC issued a Notice of Apparent liability in the amount of $144,000 to The Supply Room in Oxford, Alabama. On the same day a $126,000 N-A-L was imposed on Taylor Oilfield Manufacturing in Broussard, Louisiana.

In both cases the FCC received anonymous tips that cell phone jamming was occurring at both businesses. Using direction finding FCC agents discovered strong wideband emissions in the cellular bands that they determined to be one or more signal jammers at each site. On inspection, both the Supply Room and Taylor Oilfield Manufacturing admitted to the agents that they had each purchased a number of cellphone signal jammers off of the Internet from overseas sources.

And here's where it really gets interesting. Not only did each business freely admit to purchasing and using the cellphone jammers but their excuses were interesting as well. In the case of the Supply Room, it's general manager admitted that the jammers were in place to prevent its employees from using their cellular phones while working. Not only that, but that the devices had been in operation for more than two years before they were caught.

Meantime, managers at Taylor Oilfield Manufacturing told FCC that the devices were also being utilized to prevent its employees from using their cellular phones while working, but in this case following a near-miss industrial accident. One that the company alleges was partially attributable to employee cell phone use.

While both companies voluntarily surrendered their jammers to the FCC, that did not help mitigate the penalties that have been imposed. In fact, the FCC told both companies that they must submit payment in full by May 9th or file a written appeal.

For the Amateur Radio Newsline, I'm Stephen Kinford, N8WB, in Wadsworth, Ohio.

--

Both businesses were also directed by the FCC to file a statement to be signed under penalty of perjury no later than May 9th that would provide the source or sources from were each purchased or received the jamming devices. (FCC)

**

ENFORCEMENT: FLORIDA RESIDENT ORDERED BY FCC TO ELIMINATE WELL PUMP INTERFERENCE TO HAM RADIO

The FCC has issued an Official Citation1issued to Ruben D. Lopez, Jr. of Pomona Park, Florida. This for operating an incidental radiator and causing harmful interference in violation of Section 15.5(b) of the Commission's rules. In this case the incidental radiator was of all things a well pump that was putting out a signal at 1800 Kilohertz and interfering with ham radio operations.

On July 15, 2010 and February 28, 2011, in response to complaints of interference to Amateur Radio Service reception of medium and high frequency radio signals, the Enforcement Bureau issued Lopez two letters informing him of the complaints. The letters summarized the relevant rules, instructed him to resolve any interference, and suggesting he install new AC line filters for his well pump.

On October 23, 2012, in response to another complaint of interference to Amateur Radio Service reception, agents from the Commission's Tampa Office of the Enforcement Bureau used direction finding techniques to identify Lopez's well pump as the source of transmissions on the frequency 1800 kHz. The agents from the confirmed that Mr. Lopez's well pump was the source of the interference by conducting on/off tests. The interference ceased when the well pump was turned off.

At that time the agents informed Lopez that he must cease operating his well pump until the interference could be resolved. After the October 23, 2012 inspection, the Tampa Office received information that Lopez tried to eliminate the interference by replacing the AC line filter for the well pump, but the new filter did not resolve the interference.

Now, in its April 23rd Citation the FCC has instructed Lopez to take immediate steps to come into compliance by repairing or replacing his incidental radiator and eliminating all harmful interference. It also directed Lopez to confirm within thirty calendar days after the release date of the Citation that he has ceased operating his incidental radiator or taken steps to eliminate all harmful interference. If he fails to do so, the FCC says that he could be subject to substantial monetary penalties, seizure of the offending equipment, and criminal sanctions. The entire text of the Citation is on-line as a PDF file at tinyurl.com/pump-qrm (FCC)

**

ON THE WEB: RADIO FOXTROT 100 INTERNET STATION FOR HAM RADIO

Tony Bond, EI9GMB, says he is again operating Radio Foxtrot 100. Foxtrot 100 is an internet radio station dedicated to ham radio and short wave listeners that has topics related to ham radio in addition to its music programming. More is on the web at foxtrot100.weebly.com (EI9GMB)

**

NAMES IN THE NEWS: OUTGOING FCC CHAIR TO JOIN ASPEN INSTITUTE

Outgoing FCC Chairman Julius Genachowski (PRON: GEN A COW SKEE) will likely become a fellow at the Washington D.C.-based Aspen Institute when he steps down from his current position. The move makes Genachowski the fifth former FCC Chairman in a row to become a Senior Fellow of the institute, following Kevin Martin, Michael Powell, William Kennard and Reed Hundt.

The Aspen Institute is an international nonprofit organization founded in 1950 and dedicated to fostering enlightened leadership, the appreciation of timeless ideas and values, and open-minded dialogue on contemporary issues. The institute and its international partners promote the pursuit of common ground and deeper understanding in a nonpartisan and non-ideological setting through regular seminars, policy programs, conferences, and leadership development initiatives.

(Published reports)

**

HAMVENTION 2013: VHF WEAK SIGNAL GROUP BANQUET AT THE DAYTON HAMVENTION

The 18th VHF Weak Signal Group dinner to be held on Friday evening May 17th at the Dayton Grand Hotel in Dayton, Ohio. This, concurrent with the 2013 Dayton Hamvention.

The cash bar opens at 6:15 PM with dinner to be served at approximately 7:15 PM. This years guest banquet speaker is VHF Contester Jeff Klein, K1TEO.

Reservations are required with seating is limited to 125. Tickets are $40 per person from Tony Emanuele WA8RJF, 7156 Kory Court, Concord Township, Ohio 44077. For more information contact WA8RJF (at) arrl (dot) net. (WA8RJF)

**

HAMVENTION 2013: D-STAR TRAINING ON MAY 17

DSTARinfo.com and the Georgia D-STAR group will again conduct training for beginning and intermediate D-STAR users during 2013 Dayton Hamvention. The three hour instruction will be held Friday, May 17th at the Drury Inn Ballroom, conveniently located in the Hamvention hotel area at 6616 Miller Lane.

The class will begin promptly at 8:00am. This training will provide the basics for new D-STAR users guiding them through the registration process, getting on the air and get the most out of handhelds or mobiles.

Class size is limited and pre-registration is required at tinyurl.com/D-Star-Class. The cost of the class is $15.00 and attendees will receive all course materials. For more information please e-mail info (at) dstarinfo (dot) com. (WB9QZB)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

HAM HAPPENINGS: FIRST DIGITAL D-STAR REPEATER ON FROM THE CANARY ISLANDS

D-Star is bringing some unexpected placed to the VHF and UHF bands. This with word that the first repeater using this mode has come on the air in the Canary Islands. Amateur Radio Newsline's Heather Embee, KB3TD, has the details on this one:

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Sponsored by Radio Club Vecindario, the ED8ZAB D-Star machine is located on the island of Gran Canaria at an altitude of about 4,000 feet above average terrain covering most of the group's 7 islands.

The system currently runs 10 watts out on 438.4625 MHz and listens for signals on its input that is 7.6 MHz below. It has been reported as having been heard by stations in both Portugal and Spain during two recent tropospheric openings; a distance of more than 1,400 kilometers.

And for those who are not world travelers or DXers, the Canary Islands are a Spanish archipelago located just off the northwest coast of mainland Africa, 100 km west of the border between Morocco and the Western Sahara. They are one of Spain's seventeen autonomous communities and an outermost region of the European Union.

For the Amateur Radio Newsline. I'm Heather Embee, KB3TZD, in Berwick, Pennsylvania.

--

If by any chance you happen to hear the ED8ZAB D-Star machine outside of its local coverage area, please send a report by e-mail to ed8zab (at) yahoo (dot) es. (EA8EE)

**

HAM RADIO IN SPACE: SA AMSAT SPACE SYMPOSIUM MAY 18

South Africa AMSAT will hold its annual space symposium on Saturday, May 18th. The venue is the Innovation Hub in the city of Pretoria with McLean Sibanda, the CEO of the Hub as its keynote speaker.

The symposium is sponsored by South Africa Telkom and features an agenda that is packed with interesting presentations and demonstrations. Full details and the registration form are available on the web at www.amsatsa.org.za. (SA-AMSAT)

**

WORLDBEAT: WEB SDR NOW AVAILABLE ON RSGB SITE

A web-based Software Defined Radio for the 5, 7 and 14 MHz bands is now available on the new Radio Society of Great Britain website. The "Web

SDR receiver" link can be found under the "My RSGB" drop-down menu. Also on the new site are "Live DX Cluster" and "Live solar data" pages under the "News" drop-down menu. Go to www.rsgb.org for more. (Southgate)

**

HAM HAPPENINGS: ILLW REACHES A MILESTONE OF 200

The honor of being the 200th registrant for this years International Lighthouse and Lightship Weekend goes to the Whitby High Light in England.

Built in 1858 the Whitby High Light helped ships avoid the Whitby Rock, on the North Yorkshire coast. Its well known as the place Captain James Cook became a seaman before leading his epic voyages of discovery.

The special event call GB2WHL will be operated from the lighthouse by the Denby Dale Radio Club. A special QSL card is available on request.

So far there are registrations from 29 countries. To read the guidelines for the International Lighthouse and Lightship Weekend slated for August the 17th and 18th or to register a lighthouse, lightship or maritime beacon on-line, please visit illw.net. (VK3PC)

**

RADIOSPORT: RESULTS OF THE NYQP POSTED

The final results of the 2012 New York QSO Party have been published. You can read them on-line by taking your web browser to rdxa.com/results/2012.

This year's plaque winners will be receiving the awards in the mail as soon as they are completed. Participants can also download and print their own paper awards and participation certificates or have the New York QSO Party print them for you. The latter requires a $3 donation sent via PayPal to af2k@juno.com.

Please include your name, callsign and mailing address with any on-line orders. (NYQP)

**

ON THE AIR: WB8BZK TO ACTIVATE GRID EO-40 ON 6 METERS

On the air, VUCC grid hunters who need Canadian grid E-Oh-40-ud may want to listen for WB8BZK Stroke VE3 who will be on the air from Seseganaga Lake in Ontario Province between May 26 and the 31. He will be operating only on 6 meters primarily on 50.135 MHz running SSB and CW only. Operating times are tentatively each morning at 12:30 UTC and then again between 22:30 and 23:00 UTC each evening. If you make contact, please QSL with a self addressed stamped envelope to WB8BZK at his address on QRZ.com (WB8BZK)

**

ON THE AIR: DUTCH NATIONAL WINDMILL AND WATERPUMP STATION WEEKEND

The special event call PD13MILL will be on the air May 10th to the 12th in honor of the Dutch Windmill and Waterpump weekend. Operators will be PD5JFK , PD0ME and PD7BZ and they will have three Stations active at the same time on 40, 20 and 10 meters using SSB and the digital modes. A 2 meter station for local contacts will be operational as well. QLL via PD7BZ,direct, via the bureau or electronically on Logbook of the World or eQSL. Information about Mills on the Air is on the web at www.pd6mill.com. (Southgate)

**

DX

In DX, a multi-national, multi-operator, DXpedition to Vientiane, Laos, is being planned for September 6th to the 16th. They plan to operate five stations from 160-6 meters using CW, SSB and RTTY. A Web site is currently under construction and will be available soon. The callsign and more details will be announced later.

The Malaysian Special Expedition Team operating as 9M2SE will be activating Perhentian Besar Island from May 1st to the 3rd. The group will use a pair of 100 watt transceivers on 40 through 10 meters running CW, SSB and some digital modes. For QSL information please check 9M2SE carefully on QRZ.com.

VU2PAI and W4VKU are on the air from Bodu Finolhu Island as 8Q7KP through April 30th. Their operation is using two stations on the various High Frequency bands. QSL electronically via OQRS, eQSL or Logbook of the World.

DL6JGN and DL2AWG should be operational as Zed-K-3-N from Nukunonu Atoll until April 30th. Modes being used are CW, SSB and RTTY. This one counts as OC-048 for the Islands on the Air Award. QSL as directed on the air.

Lastly, M0HLT will soon be off to the Falkland Islands on a 2 year work contract. Arrangements have been made to acquire a VP8 callsign and he will be operating from VP8LP when work commitments allow. QSL via his home call.

(Above from various DX news sources)

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THAT FINAL ITEM: RADIO READING: RIDING THE SHORTWAVES: EXPLORING THE MAGIC OF AMATEUR RADIO

And finally this week, the story of a new book for new and potential hams. Amateur Radio Newsline's Cheryl Lasek, K9BIK, tells us all about it:

--

Riding the Shortwaves: Exploring the Magic of Amateur Radio is a new book by author Don Keith, N4KC, that contains material of special interest to newcomers to ham radio and those thinking of joining its ranks. This includes easy-to-understand chapters on antennas, choosing a first station, and a tour of the amateur radio high-frequency bands. There are also short fictional and satirical pieces that use humor or drama to show the various facets of the hobby. According to Keith, that's why he too the approach that he did:

--

N4KC: "I felt there was a need for a book for people who were just on the verge of either committing to ham radio or walking away from it. So I had to think about whats keeping people from entering the hobby and what would it take to push them over the cliff."

--

Keith also notes that it's just a matter of being in the right place at the right time and in the right situation for ham radio to become a part of someone's life:

--

N4KC: "That was my case. My dad was not a ham. He was a television repair and he had a shortwave receiver. We used to sit around and listen to hams; to Sputnick and all sorts of things line that and the bug bit."

--

Keith's book also counters the notion that Facebook, the web, Twitter, smart phones and other new technology have made amateur radio obsolete. On the contrary, the author maintains, in its 100th year, the hobby is more vibrant and exciting than ever.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

Riding the Shortwaves: Exploring the Magic of Amateur Radio is available in both paper and electronic release from booksellers everywhere including Amazon.com.

You can hear more from Don Keith, N4KC, talking about this new book and his other writings on this weeks RAIN Report. Just take your web browser to www.therainreport.com and tune in. (Press release)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's

all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Skeeter Nash, N5ASH, near Houston, Texas, saying 73 and we thank you for listening.

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173. The ARRL Letter for May 2, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-03 06:00:33 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130503052134.9493229C8CD@bmail.arrl.org>
Source record: 183
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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The ARRL Letter

Published by the American Radio Relay League
****************************************

May 2, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

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<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC NEWS: PRESIDENT OBAMA NOMINATES FINANCIER AND FORMER TELECOM
EXECUTIVE TOM WHEELER AS FCC CHAIRMAN

On Wednesday, May 1, President Barack Obama announced that he
nominated Tom Wheeler to be the new Chairman of the Federal
Communications Commission. If the Senate confirms the nomination,
Wheeler will replace Julius Genachowski who announced his resignation
from the FCC in March. Pending Wheeler's confirmation, FCC Commissioner
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Mignon Clyburn -- the agency's soon-to-be senior Democrat -- will serve as the Commission's acting chairman.

Wheeler, 67, has served as an informal adviser to Obama in recent years and has been a major fundraiser for his political campaigns. He has a background as a venture capitalist and as a lobbyist for the communications industry. He is the former President of the National Cable Television Association (now known as National Cable & Telecommunications Association) and former Chief Executive Officer of the Cellular Telecommunications & Internet Association. Currently, he is a Managing Director at Core Capital Partners, a venture capital firm in Washington, DC. Read more <http://www.arrl.org/news/president-obama-nominates-financier-and-former-telecom-executive-tom-wheeler-as-fcc-chairman>.

==> + DAYTON HAMVENTION®: DX ACTIVITIES FEATURED AT ARRL EXPO AT THE 2013 DAYTON HAMVENTION

The ARRL will present a variety of DX activities as part of the ARRL EXPO -- the ARRL's "show within a show" at the 2013 Dayton Hamvention, to be held May 17-19 at Hara Arena, near Dayton, Ohio. Activities will include DXCC card checking and the opportunity to drop off QSL cards for the ARRL Outgoing QSL Bureau, as well as to apply for awards, such as the IARU Worked All Continents Award, the IARU Region 3 Operating Award and several awards administered by the Japan Amateur Radio League. In addition, representatives from the International Amateur Radio Union and several IARU Member Societies will be on hand within the EXPO area. Read more <http://www.arrl.org/news/dx-activities-featured-at-arrl-expo-at-the-2013-dayton-hamvention>.

==> + ON THE AIR: ANNUAL ARMED FORCES DAY CROSSBAND TEST SCHEDULED FOR MAY 11

In celebration of the 63rd anniversary of Armed Forces Day (AFD), the Army, Air Force, Navy, Marine Corps and Coast Guard are co-sponsoring the annual Military/Amateur Radio Crossband Communications Test. Although Armed Forces Day is traditionally celebrated on the third Saturday in May -- May 18 in 2013 -- the AFD Military/Amateur Crossband Communications Test will be conducted on May 11 to prevent conflict with the Dayton Hamvention®, scheduled for May 17-19. The annual celebration features traditional military-to-amateur crossband communications SSB voice and Morse code tests. These tests give Amateur Radio operators and short wave listeners an opportunity to demonstrate their individual technical skills and to receive recognition from the appropriate military radio station for their proven expertise. QSL cards will be provided to stations making contact with the military stations. Read more <http://www.arrl.org/news/annual-armed-forces-day-crossband-test-scheduled-for-may-11>.

==> + HURRICANE WATCH NET SEEKS NEW MEMBERS FOR NET CONTROL STATIONS

With the 2013 hurricane season approaching, the National Hurricane Center (NHC) in Miami and the Hurricane Watch Net (HWN) are gearing up for what could be a very active storm season. In preparation for the upcoming season, the HWN is currently seeking new members who can serve as net control stations. The HWN provides on-the-ground, real-time weather data from Amateur Radio operators who volunteer their time to monitor their calibrated home weather stations. The stations report that data to the HWN, who in turn reports it to WX4NHC, the Amateur Radio station at the NHC. "The Hurricane Watch Net relies on volunteer operators -- our members -- who serve as our net control stations," HWN Net Manager Bobby Graves, KB5HAV, told the ARRL. "HWN members are hams who have above-average stations, are capable of effectively conducting HF net operations and are willing to commit their time to operating in support of the HWN's mission during net activations." Read more <http://www.arrl.org/news/hurricane-watch-net-seeks-new-members-for-net-control-stations>.

==> LOGBOOK OF THE WORLD TO UNDERGO SCHEDULED MAINTENANCE

Logbook of The World (LoTW <http://www.arrl.org/logbook-of-the-world>), the ARRL's online QSO confirmation system, will undergo scheduled maintenance on Thursday, May 2 at 5 PM (2100 UTC); this should last approximately three hours. LoTW will be offline and unavailable during this time. Thank you for your patience.

==> ARRL IN ACTION: WHAT HAVE WE BEEN UP TO LATELY?

This feature is a concise monthly update of some of the things that the ARRL is doing on behalf of its members. This installment -- which covers the month of April -- takes a look at the FCC's denial of an ARRL Petition concerning BPL, the ARRL's meeting with FEMA Administrator Craig Fugate, KK4INZ, World Radio Day, upcoming conferences, updates from the ARRL Development Office, reports from the Official Observer Desk and more. Read more <http://www.arrl.org/news/arrl-in-action-what-have-we-been-up-to-lately-57>.

==> CELEBRATE 75 YEARS OF W1AW WITH COMMEMORATIVE GEAR

W1AW, the Hiram Percy Maxim Memorial Station, is celebrating its 75th anniversary this year, and what better way to show your support of Amateur Radio's flagship station than by sporting W1AW commemorative gear! The ARRL is pleased to present a limited edition T-shirt, pin and challenge coin to mark this milestone. Your purchase helps support W1AW -- $5 from every shirt purchased and 100 percent of the key chain and pin proceeds go directly to the W1AW Endowment Fund. Read more <http://www.arrl.org/news/celebrate-75-years-of-w1aw-with-commemorative-gear>.

==> SUPPORT ARRL: ATTENTION FEDERAL EMPLOYEES -- ARRL APPROVED FOR 2013 COMBINED FEDERAL CAMPAIGN!

Since 2001, the US Office of Personnel Management has designated the ARRL to participate in the Combined Federal Campaign (CFC), the annual giving campaign for federal employees. In that time, this campaign for

civilian employees of the federal government, US Postal Service workers and members of the military has generated almost $220,000 for ARRL programs. The CFC provides federal employees with an easy way to support the ARRL's effort to represent its members and all radio amateurs.

The CFC encourages individuals employed in all branches of the federal government to pledge by payroll deduction to the non-profit organizations of their choice. The ARRL encourages eligible radio amateurs to consider the League when designating campaign recipients. Payroll deduction through the CFC is an easy way for participants to support the ARRL over and above their annual membership. Such contributions support programs that are not funded by member dues, enriching the ARRL's ability to serve its members and all of Amateur Radio. Read more <http://www.arrl.org/news/attention-federal-employees-arrl-approved-for-2013-combined-federal-campaign>.

==> SEATTLE WILL HOST THE 32ND DIGITAL COMMUNICATIONS CONFERENCE

Digital communications enthusiasts will be heading to the Pacific Northwest this autumn for the 32nd annual ARRL/TAPR Digital Communications Conference (DCC), September 20-22, at Cedarbrook Lodge near Seattle, Washington. The ARRL/TAPR DCC is an international forum for radio amateurs to meet, publish their work and present new ideas and techniques. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results, and practical applications. The DCC is for all levels of technical experience -- not just the expert. Introductory sessions are scheduled throughout the conference to introduce new technical topics for both beginners and experts. Read more <http://www.arrl.org/news/seattle-will-host-the-32nd-digital-communications-conference>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity made a healthy jump over the past week, with the average daily sunspot numbers up over 30 points to 120.9, while the average daily solar flux increased more than 27 points to 136.5. The most active day for geomagnetic indices was May 1, when the planetary A index reached 21 and the high-latitude College A index (measured near Fairbanks, Alaska) was a whopping 57. That number has been higher, but only twice in the past six months, when it was 64 on March 1 and 79 on March 17. The latest forecast has the solar flux at 165 and 170 on May 2-3, 165 on May 4-5, 160 on May 6-7, 165 on May 8-9, 125 on May 10-11, 120 on May 12, 125 on May 13-15, 120 on May 16-17, and 125, 120, and 130 on May 18-20, and rising to 135 on May 21-22. The predicted planetary A index is 12 and 8 on May 2-3, 5 on May 4-20, then 15, 10 and 15 on May 21-23, and then down to 5 for at least the following three weeks. On May 1, NASA released a new solar cycle prediction, but it wasn't really new. These arrive at the start of

every month, and have remained the same since March 1 when NASA's prediction for the smoothed International Sunspot Number at the cycle peak shifted from 69 to 66 for fall 2013. Look for more information on the ARRL website on Friday, May 3. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL RECOGNIZES: GEORGE WALLNER, AA7JV, WINS APRIL QST COVER PLAQUE AWARD

The winner of the April QST Cover Plaque Award is Gerorge Wallner, AA7JV, for his article "The Garden Beam <http://www.nxtbook.com/nxtbooks/arrl/qst_201304/index.php#/36>." Congratulations George! The QST Cover Plaque Award -- given to the author or authors of the most popular article in each issue -- is determined by a vote of ARRL members on the QST Cover Plaque Poll web page <http://www.arrl.org/cover-plaque-poll>. Cast a ballot for your favorite article in the May issue today.

==> + SILENT KEY: HAM RADIO EDITOR AND NOTED DXER JOE SCHROEDER, W9JUV (SK)

Joseph J. Schroeder Jr, W9JUV, of Glenview, Illinois, passed away Tuesday, April 30. He was 83. An ARRL Life Member, Schroeder was on the editorial staff for Ham Radio magazine from August 1974-July 1990, penning almost 400 articles that ran the gamut from FCC actions to Field Day to licensing issues. Schroeder was also the founding editor of HR Report, a newsletter published by Ham Radio.

Schroeder was one of only three radio amateurs who had 394 confirmed DXCC entities, placing the trio at the top of the DXCC standings. Schroeder had missed only seven entities, all of which are now deleted: Tibet (AC4), Damao and Diu (CR8), French Indo-China (FI8), French India (FN), Java (PK1-3), Netherlands Borneo (PK5) and Celebe and Molucca (PK6). Schroeder made Top of Honor Roll in 1993. Along with his 394 Mixed DXCC entities, Schroeder also held DXCC on Phone (238 entities), CW (165 entities) and 6 meters (108 entities), as well as VUCC on 50 MHz. Read more <http://www.arrl.org/news/noted-dxer-joe-schroeder-w9juv-sk>.

==> THIS WEEK IN RADIOSPORT

This week:

- May 3 -- NCCC Sprint Ladder
- May 4 -- Microwave Spring Sprint (local time)
- May 4-5 -- New England QSO Party; Indiana QSO Party; 7th Call Area QSO Party; 10-10 International Spring Contest (CW); Araucaria VHF Contest; ARI International DX Contest
- May 7 -- ARS Spartan Sprint
- May 8 -- NAQCC-EU Monthly Sprint
- May 8-9 -- CWops Mini-CWT Test
- May 9 -- NAQCC Straight Key/Bug Sprint

Next week:

- May 10 -- NCCC Sprint Ladder
- May 11 -- FISTS Spring Sprint
- May 11-12 -- Nevada Mustang Roundup; VOLTA WW RTTY Contest; CQ-M International DX Contest; Portuguese Navy Day Contest; SKCC Weekend Sprintathon; EUCW Fraternizing CW QSO Party; Worldwide EME Contest

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- May 4 -- ARRL South Carolina Section Convention <http://www.arrl.org/hamfests/south-carolina-section-convention-upstate-hamfest-1>, Spartanburg, South Carolina
- May 17-19 -- Dayton Hamvention <http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention <http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>, Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention <http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>, Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention <http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-ham-com>, Plano, Texas
- June 8 -- ARRL Delta Division Convention <http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers, Arkansas; ARRL Tennessee State Convention <http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-electronics-convention>, Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention <http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-colorado-2013>, Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention <http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecracker-hamfest-electronics-expo>, Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference <http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>, Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention

<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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<http://www.arrl.org/>

174. Amateur Radio Newsline(tm) Report 1864 - May 3 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-03 09:00:13 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130503090003.2169B33C43@panix2.panix.com>
Source record: 184
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1864 - May 3 2013

Amateur Radio Newsline report number 1864 with a release date of May 3 2013 to follow in 5-4-3-2-1.

The following is a QST. Region One of the International Amateur Radio Union meets in Vienna; a coalition of groups announces its attempting to arrange a DXpedition to North Korea; the exemption for ham radio remains as part of Hawaii's new distracted driving law; lots more news on the upcoming Dayton Hamvention and NASA to launch mission to study Equatorial electric storm propagation. Find out the details are on Amateur Radio Newsline(tm) report number 1864 coming your way right now.

(Billboard Cart Here)

**

RADIO RULES: IARU REGION 1 MEETS IN VIENNA

IARU Region 1 held its Interim Meeting in Vienna Austria the weekend of April 20th through the 21st. Jeremy Boot, G4NJH, of the RSGB news reports:

--

H-F topics included preparations for the WRC15, which includes the possibility of a worldwide amateur allocation at 5MHz. Other proposals included trying to align some of the High Frequency band plans between Regions and the DXpedition Code of Conduct.

A number of other papers covered contest matters, support for newcomers via scouting's Jamboree on the Air, operation of unmanned stations, and discussions on a possible band plan for the new 472 to 479 kHz amateur allocation.

For VHF and microwaves, there were a total of 34 papers covered technical, operating, band planning and contest matters. Areas of focus were improvements to IARU contests and accommodating digital voice, beacon and TV developments.

Band plans at 4m, 2m and 70cm came under particular scrutiny. Pressure on spectrum, notably at 2.3GHz, was also discussed. Several topics are expected to be further developed in time for the next Region 1 Conference in the autumn of 2014.

For the Amateur Radio Newsline, I'm Jeremy Boot. G4NJH, reporting from Nottingham in the United Kingdom.

--

The minutes and recommendations of the Interim Meeting will be published shortly, once approved by the Region 1 Executive Committee. (IARU - R1, GB2RS)

**

BREAKING DX NEWS: DX GROUP ATTEMPTING TO ARRANGE OPERATION FROM NORTH KOREA

A well known group of DX'ers say that they are working on getting permission to operate from North Korea which is the most wanted DXCC entity in the world. Amateur Radio Newsline's Cheryl Lasek, K9BIK, reports:

--

The Intrepid-DX Group, in partnership with the World-Wide DX Group says that for the past four years that they have been working with professionals in the business and tourism industries who are actively doing business in North Korea.

In a widely circulated press statement the organizations note that they have prepared a comprehensive, multi-faceted proposal, which has been delivered it to the North Korean officials via their emissary located in Chinese. Also that several members of the combined groups leadership and advisory team have made multiple visits to the region and are advising the overall groups accordingly.

The DXers say that they are using the same techniques that were successful in opening up Kurdistan, the South Sudan and Yemen to DXpedition activity. They add that they are leveraging their ideas and contacts towards the goal of a major DXpedition over a four week period from within the North Korea border. As we go to air, no date for such an operation to take place has even been speculated.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

--

We will have more DX related news later on in this weeks Amateur Radio Newsline report. (Intrepid-DX Group release)

**

RADIO LAW: HAWAII DISTRACTED DRIVER LAW WITH HAM RADIO EXEMPTION SENT TO GOVERNOR FOR SIGNATURE

House Bill 980, dealing with mobile cellular telephone law for the State of Hawaii that contains an exemption for mobile ham radio operation has been transmitted to the Governor and is awaiting his

signature.

Like many other states, the new law in Hawaii states that no person shall operate a motor vehicle while using a mobile electronic device, however the use of a mobile electronic device for the sole purpose of making a "911" emergency communication is permitted. The Hawaii law provides that no person under eighteen years of age can operate a motor vehicle while utilizing even a hands-free mobile electronic device, except, once again for the sole purpose of making a "911" emergency call.

According to Ron Hashiro, AH6RH, in addition to radio amateurs, also exempted from the law will be emergency responders using a mobile electronic device while in the performance of their official duties and those operating under FCC Part 90 Land Mobile Radio rules.

Not exempted are those using Family Radio Service, users of the General Mobile Radio Service, Citizens Band radio operators, marine radio, the aviation band, text messaging and of coarse those making non emergency calls using hand held cellular telephone.

Penalties include a fine of not less than $100 and not more than $200 for a first violation. A second violation within that occurs within one year brings with it a fine of not less than $200 and not more than $300. For a violation that occurs within two years of two prior violations and for the fourth and each subsequent violation regardless of when they were committed, a fine of not less than $300 and not more than $500 can be assessed.

If signed by the Governor, the new Hawaii distracted driving law will take effect on July 1st. The full text is on the web at tinyurl.com/hawaii-cell-final. (AH6RH via Facebook and other published news reports)

**

RESCUE RADIO: TEXT ALERTS ISSUED AFTER BOSTON MARATHON BOMBINGS

Boston officials did use cellphone text messages, known as Wireless Emergency Alerts in the aftermath of the marathon bombings. That's according to Rick Wimberly of alerting consultancy Galain Solutions.

The former broadcaster and current consultant to FEMA told Radio World that the Massachusetts Emergency Management Agency or MEMA has the ability and authority to issue imminent threat Wireless Emergency Alerts messages and did do on April 19th. Specifically, MEMA issued a shelter-in-place order, by tweeting out a message to that effect.

According to Wimberly, Wireless Emergency Alerts complement EAS system because the text messages remind users to tune in to their local broadcast stations for more detailed information. Whether or not the EAS system itself was placed into formal use in the marathon bombing aftermath is still open to debate. (RW)

**

COMMUNICATIONS LAW: COMMISSIONER WANTS FCC TO LOOSEN OWNERSHIP RULES

FCC commissioner Ajit Pai says that if the FCC proceeds to count some Joint Sales Agreements toward local TV station ownership caps, it would be an error. This is because Pai believes that the Commission must treat broadband as a complement, not replacement, for broadcast use of spectrum.

His remarks came in a recent speech to the Media Institute. In it, Pai wants the FCC to loosen the local ownership rules, and found it amazing that the proposal currently on the table would tighten them by adding the Joint Sales Agreements and possibly shared service agreements.

Pai pointed to a Joint Sales Agreement between two stations in his home state of Kansas. There, a Univision affiliate and an Entravision station were able to create the only Spanish-language newscast in the state. Another he cited was in Missouri between the broadcasters Nexstar and Mission that allowed for expanded news coverage.

A Joint Sales Agreement sometimes known as a Limited Sales Agreement is an agreement in which one company agrees to operate a radio or television station owned by another license holder. In essence, it is a sort of lease or time-buy arrangement. (Multichannel News, Wikipedia)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KC8LMI repeater serving Aurelius, Michigan.

(5 sec pause here)

**

WORLDBEAT: WEB RADIO EXECS MEET IN BRUSSELS FOR RAIN SUMMIT

An Internet radio summit is coming to Europe next month. Amateur Radio Newsline's Jeff Clark, K8JAC, has the details:

--

Internet radio executives from across Europe will meet in Brussels on Thursday, May 23rd for the second annual RAIN Summit Europe. This is according to Kirk Hansen who is the publisher of the RAIN Radio and Internet newsletter.

RAIN Summit Europe will take place at the Hotel Bloom. The conference will be a daylong event featuring panels and presentations along with speakers and other opportunities for European networking executives to consider the future of radio in the digital world.

RAIN conferences are educational and networking events for the Internet radio and on-line audio industries. For the past decade these conferences have been presented several times each year in North America and feature top speakers and panelists from around the world.

I'm Jeff Clark, K8JAC.

--

For those who may be wondering these conferences are not in any way connected with Hap Holly, KC9RP's weekly RAIN Report based in Chicago. (RW)

**

ENFORCEMENT: COMMISSION UPHOLDS $17,000 FINE AGAINST BROADCASTER

Turning to regulatory enforcement, word that the full commission has upheld a decision by the Enforcement Bureau and has ruled that Mt. Rushmore Broadcasting owes $17,000 for violations of the agency's EAS and public file rules.

Earlier, the bureau denied the company's 2011 petition to reconsider the fine levied for failing to ensure the operational readiness of the station's EAS gear, failing to maintain a complete public inspection file for stations and failing to operate the Studio to Transmitter Link from its licensed location.

Now in its final judgment in this matter the full Commission says that Mt. Rushmore Broadcasting did not dispute the facts or that the violations took place. Rather that the broadcaster had only substantially reiterated all of the arguments previously considered and rejected. The FCC also noted that Mt. Rushmore Broadcasting did not demonstrate that the Enforcement Bureau made an error in its findings. Nor did it provide financial documentation to support its repeated request that the fine be reduced or eliminated.

The full commission upheld the Enforcement Bureau's original order and said payment is due within 15 days. In the meantime, the government filed a complaint in federal district court against Mt. Rushmore Broadcasting to recover the money. That case will be dismissed if the licensee makes the payment, according to the agency.

Mt. Rushmore Broadcasting is the licensee of KRAL-AM, KIQZ-FM, and Studio to Transmitter link WHB734, in Rawlins, Wyoming. (FCC, RW)

**

INDUSTRY NEWS: SPX DIELECTRIC TO CEASE MAKING ANTENNAS

One of the nation's best known manufacturers of broadcast and two-way antenna systems, transmission lines and associated products is closing its doors. Amateur Radio Newsline's Skeeter Nash, N5ASH, reports:

--

SPX Communications Technologies, formerly Dielectric Communications, will cease its broadcast television, radio and wireless antenna manufacturing operations effective June 29th. Dielectric as it is still better known had already begun letting customers know that it plans to get out of the antenna business.

The company was started in 1942 as Dielectric Products Corp., which specialized in developing transmission lines for wartime radar system use. The company has been located in Raymond ME since 1954. It installed its first Digital TV broadcast antenna in 1994 and provided more than 1200 broadcasters with Digital Television transmission solutions.

SPX acquired Dielectric in 2001. According to the CGC Communicator, over the years Dielectric produced some of the finest broadcast antennas made in the United States, and its closure represents a significant blow to U.S. manufacturing capabilities.

For the Amateur Radio Newsline, I'm Skeeter Nash, N5ASH.

--

More on the shuttering of this historic company is on the web at tinyurl.com/dialectric-closes. (RW, CGC)

**

RESCUE RADIO: ETON ZONE GUARD RECEIVER

Eton Corporation has a new product that may well be of interest to hams involved in emergency response operations or those who live in regions where getting accurate emergency alerts are a necessity.

Called the ZoneGuard, it is a portable battery-powered AM/FM radio that receives NOAA weather and Specific Area Message Encoding or S.A.M.E. local emergency messages. The ZoneGuard radio will also flash an internal 3 level High-visibility color alert light bar and emit warning sounds when local warning messages are activated. On top of that, it is also programmable so multiple geographic areas can be programmed into it for emergency message reception. Best of all is the price for this little gem at under $40 street and available where most consumer electronics are sold.

And less we forget, the radio also carries a Red Cross identification brand on it and a portion of sales profits goes to that organization. (RW)

**

RADIO READING: SPRING 2013 5MHZ NEWSLETTER NOW AVAILABLE

The Spring 2013 edition of The 5MHz Newsletter is now available for free download. This edition features news about 5 MHz amateur band allocations, the latest update of the Worldwide Amateur 5 MHz Allocations Chart, plus stories on 5 MHz Web Software Defined Radios

and much more. You can download your copy at tinyurl.com/dxlpgyj. (GM4WO, Southgate)

**

HAM HAPPENINGS: 4 DAYS IN MAY CONCURRENT WITH HAMVENTION 2013

The 18th annual Four Days in May the QRP and Homebrew mini-convention held concurrently with the Dayton Hamvention beginning on Thursday May 16th. The venue is once again the Holiday Inn located in Fairborn, Ohio which is just about twenty minutes to the east of the Hara Arena.

Guest speakers this year feature Roy Lewallen W7EL, Rick Campbell KK7B and George Dobbs G3RJV, and others. Thursday evening will include a presentation from Ten-Tec at which there will be a new product announcement. Events on Thursday and Friday evenings are free of charge. More information along with tickets for the seminars, the Buildathon and Grand Banquet can be bought online at www.qrparci.org/fdim. (W4DU, G4GXL)

**

HAMVENTION 2013: ARRL AWARD CHECKING AT HAMVENTION

Bill Moore, NC1L, says that the ARRL Awards Staff will be present at the 2013 Dayton Hamvention to check applications for all ARRL awards. These include DXCC, WAS, VUCC, WAC and the Extra Class Certificate.

A detailed PDF file is available to help guide you through the card checking process so that everything proceeds smoothly at tinyurl.com/arrl-awards-dayton-2013. If, after reviewing the PDF file and you have questions, send an e-mail to Bill Moore, NC1L, at bmoore(at)arrl(dot)org. (NC1L)

**

HAMVENTION NEWS: TECHNICIAN LICENSE CLASS AT HAMVENTION 2013

A Technician level Ham Radio Class will be held at the Dayton Hamvention on Saturday, May 18th.

The session runs from 9AM until 4PM and will be held at the Hara Arena Hamvention venue. Immediately following the conclusion of the class a team of Volunteer Examiners will be on-hand to administer the Technician class exam.

You must pre-register for the class and yes, there is homework. Info on what's in the class and how to enroll can be found at http://www.hamclass.net/hamvclass.htm

Interested students should not delay as there is limited room and once the class fills, enrollment will be closed.

The class will be again sponsored by Mitch Stern, W1SJ. If you have any questions please contact him at w1sj@arrl.net

Stern tells Amateur Radio Newsline that this will be his 4th year of providing these classes at the Dayton Hamvention but that he has actually been teaching 1 and 2 days classes for 21 years. (W1SJ)

**

HAMVENTION 2013: W9FIZ ANNOUNCES HE CANNOT PROVIDE ELECTRONIC EQUIPMENT TEST STATION

Barry Gose, W9FIZ, who had previously announced a number of free services at Hamvention 2013 has been forced to cancel a few of them. This after he was advised by a fellow ham who is an attorney that since he is not licensed, bonded, or insured to test electronic equipment that he would be exposing himself self to considerable liability. Gose says that based on this that he will not be unable to offer any service that involves testing electronic devices of any kind in any way shape or form. However, W9FIZ still plans to attend and both his free advertisement board and 2 meter paging service will still be available. (W9FIZ)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

CHANGING OF THE GUARD: W9JUV - S.K.

The changing of the guard in our world of amateur radio continues with the sad news of the passing of our longtime friend and colleague Joseph J. "Joe" Schroeder, Jr. W9JUV on Tuesday, April 30th. Bill Pasternak, WA6ITF, is here with more on the life of this truly dedicated ham radio operator:

--

When he passed away at age 83, Joe Schroeder, W9JUV, was perhaps best known as the founding editor of the weekly H-R Report newsletter published in the 1970's by Ham Radio Magazine. This was the first independent amateur radio news source other than the ARRL's W1AW broadcasts and its Directors Letters. In addition to HR Report, Joe was also a member of the Ham Radio Magazine editorial staff from its inception and continued with it for many years. He also served as a reporter for this news service during its formative days as the Westlink Radio News.

Joe was licensed as W9JUV since 1946. An accomplished DXer, he was active on all bands from 160 meters through 432 MHz. His ham radio

achievements included being on the DXCC Honor Roll since early 1970's; achieving 6 Meter DXCC, Worked All Continents and Worked All States.

W9JUV was a life Member ARRL, AMSAT and the QCWA. Over the years he had held various positions with ARRL, AMSAT and the Old Old Timers Club. He was also a member of the PJ2T Contesting Group, the Northern Illinois DX Association, and the Radio Club of America.

Professionally W9JUV was a former Motorola engineer and Managing Editor of Electronic Instrument Digest magazine. He was the founder of the Chicago area-based firm Consultek Consulting as well as being an authority on firearms history and gun collecting. In the latter he was the owner of Handgun Press Publishing Co. and wrote or edited many books and articles in that field. A private pilot since 1956 he was also active with Civil Air Patrol.

And less I forget to mention, Joe was a close friend of this reporter for the better part of 40 years and will never be forgotten. There are some special people who touch ones life, and for me, Joe Schroeder, W9JUV, ranks at the very top.

I'm Bill Pasternak, WA6ITF, in Los Angeles.

--

Joe Schroeder, W9JUV is survived by his wife of 55 years Janet, N9LGI; his son Brad, daughter Elizabeth Anderluh and two grandchildren. Speaking for the family, Joe's daughter Elizabeth says that a memorial service will be held for him at some point in the near future. In lieu of flowers, memorials may be made to the Leukemia and Lymphoma Society, 651 W. Washington Blvd., Suite 400, Chicago, Illinois 60661 or Cal's Angels, 721 Aston Lane South, Elgin, Illinois 60177. (ARNewsline(tm))

**

ON THE AIR: FIRST CLASS CW OPS CLUB CELEBRATES 75 YEARS

Members of the First Class CW Operators Club will take to the air in May with many using special calls. This to celebrate the 75th anniversary of that organization.

Nearly 50 special FOC suffix calls, and 6 calls with unique prefixes will be on the bands throughout the month. The special call GB75FOC will be activated by a group of English members each day in May and special versions of the club call G4FOC will be used in non-English U.K. countries. In addition, the call M0RSE will be on the air as well.

An FOC 75 award will be available at the three levels of bronze, silver and gold. For full information about the award as well as QSL routing to stations involved in this celebration, simply take your web browser to www.g4foc.org and then follow the link to FOC 75th Anniversary. (KR3E)

**

ON THE AIR: CELEBRATING ST CYRIL AND METHODIUS DAY

Now here' a rather interesting one. A special event station signing LZ2013KM will be activated by members of Bulgarian Federation of Radio Amateurs between May 1st and the 31st.

This operation is to celebrate a national holiday known as St. Cyril and Methodius day. Operation will be on all the High Frequency bands with QSL's going only via the LZ bureau.

And who were St. Cyril and Methodius you ask? Well they were the creators of the Cyrillic alphabet, and we thought you might like to know. (Z1BJ)

**

DX

In DX, JA9LSZ is reported as being currently active from Nepal as 9N7SZ. His operation is on the High Frequency bands only. If you work him please QSL to JA9LSZ.

According to SQ8X posting on the FT5XM Web page the group hopes to set sail for Amsterdam Island on January 15, 2014 and arrive on the 24th. Landing operations will begin as soon as the sea conditions and weather allow. Once the team is ashore, they will have 18 days to set up, conduct the DXpedition, and tear down for departure. You can follow developments at www.amsterdamdx.org

JJ8DEN was to be active from Puka Puka Atoll in French Polynesia From April 30th through May 7th. This will be followed by an operation from Raivavae Island in the Austral Island group as KH0PR stroke FO from May 8th to the 15th. He will be active on High Frequency bands using CW , RTTY and PSK. QSL via JJ8DEN.

Members of the Dutch Society of Radio Amateurs will be active as 9H25 from Qawra, Malta between May 20th and June 4th. This in celebration of the groups 25th Holiday DXpedition to that nation. Operations will be on 80 through 6 meters using CW and SSB. QSL via PI4KGL

Lastly, a DXpedition made up of members of the Oceania DX Group will activate Norfolk Island as VK9NT between May 3rd and the 13th. They plan to have 4 stations covering 80 through 10 meters operating CW, SSB and RTTY. An "Online QSL Request Service" will be available for bureau, and direct cards on ClubLog which is the preferred method. If for some reason you cannot use the ClubLog or Logbook of the World, paper QSL can go direct to VK2CA.

(Above from various DX news sources)

**

RADIO IN SPACE: NASA MISSION TO STUDY EQUATORIAL ELECTRICAL STORM PROPAGATION

And finally this wee, a NASA funded sounding rocket mission will launch from an atoll in the Pacific in the next few weeks to help scientists better understand and predict the electrical storms in Earth's upper atmosphere. These severe weather outbursts can interfere with satellite communication, the global positioning system and other space-based communications including some used by radio amateurs.

The mission is called EVEX which stands for the Equatorial Vortex Experiment. It will consist of the launch two rockets from the Kwajalein Atoll in the Marshall Islands for a twelve minute information gathering journey through the equatorial ionosphere above the South Pacific. The twin spacecraft will measure events in two separate regions of the ionosphere to see how they work together to drive the ionosphere from placid and smooth to violently disturbed. Such information could ultimately lead to the ability to more accurately forecast this important aspect of space related weather.

The launch window for EVEX runs through May 10th. More on this propagation study mission is on-line at tinyurl.com/nasa-storm-rocket (Space Daily)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Davis, W2JKD, on Frorida's Sunshine Coast saying 73 and we thank you for listening.

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175. 30 Years Ago: Dayton Hamvention 1983

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-05 22:17:01 UTC
From: "Paul W. Schleck" <pschleck@oasis.novia.net>
Message-ID: <51864bc6$0$81790$540ea2cf@novia.net>
Source record: 185
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.equipment

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

This is from a web-site that is replaying Usenet, including
net.ham-radio, from 30 years ago (currently early 1983). The site is:

http://www.olduse.net

If you prefer to use your own newsreader, the site also supports an NNTP
connection at:

nntp.olduse.net:119

>From: karn <utzoo!decvax!harpo!eagle!karn>
>Subject: Dayton 1983
>Newsgroups: net.ham-radio
>Date: Sun May 1 22:04:25 1983

Did anybody else go out there and brave the floods?

Just returned from an exhausting weekend. The outside flea markets were only
open on Saturday and Sunday, while the commerical exhibits (inside)
were open all three days. It also rained two out of the three days;
guess which ones? Parking was a disaster; because of the rain, the
usually spacious unpaved fields behind the arena were closed,
and people were parking anywhere and everywhere. Tow trucks were out in
force, and I'm sure the local auto pound made plenty of money.

A lot of new amateur transceivers are coming out with provisions for
computer control. The cheaper rigs provide only for frequency control,
while the more expensive ones allow you to get to more of the knobs from
the interface. Yaesu has the TS-980 and the FT-757GX with
their "CAT" (Computer Assisted Tuning), while a number of Icom transceivers
have had accessory connectors allowing external frequency control for
some time. Seems to me that shared club HF "remote base" stations
should become quite common.

Multiband VHF/UHF rigs (some supporting full duplex cross banding, e.g.,
for satellites) are starting to appear; both Yaesu (FT-726R) and Kenwood
(TS-780) have them. The Yaesu looks especially nice because you can
choose the three bands segments you want as plug-ins. More and more
70cm multimode rigs are also appearing, but most seem to restrict you to
only a 10 mhz segment of the band (440-450 mhz, or, more commonly,
430-440 mhz). 1.2 Ghz stuff is just now starting to appear; Icom
has a 1.2 Ghz mobile FM transceiver, and more 1.2 Ghz transverters and
transmitting converters are coming out, many especially designed for the 1269

mhz Phase 3B Mode L uplink. Technology moves on!

Phil

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v2.0.19 (FreeBSD)

iEYEARECAAYFAlGGSEUACgkQ6Pj0az779o66gACdG11eVLTXXYpbyn9kPNIeJe7V
plUAoLk1tQtN4IEdz5r5tNqSGW1l7OTP
=D9fu
-----END PGP SIGNATURE-----

176. The ARRL Letter for May 9, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-09 20:54:42 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130509191727.68B4B29C522@bmail.arrl.org>
Source record: 186
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

May 9, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

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<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

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- + Public Service: GAREC 2013 to Precede HAM RADIO Gathering in
Friedrichshafen Next Month
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- Support ARRL: Attention Federal Employees -- ARRL Approved for 2013
Combined Federal Campaign!
- On the Air: Annual Armed Forces Day Crossband Test Scheduled for May
11
- Solar Update
- + New QuickStats Poll Now Available on ARRL Website

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + DAYTON HAMVENTION¿½: MEET THE AUTHORS AT ARRL EXPO IN DAYTON

The ARRL will present a "Meet the Authors" area in the ARRL EXPO at
the 2013 Dayton Hamvention, giving visitors an opportunity to speak
with authors who are inspiring today's radio experimenters, operators
and innovators. Leigh Klotz Jr, WA5ZNU, lead editor of Ham Radio for
Arduino and PICAXE, along with Eric P. Nichols, KL7AJ, author of Radio
Science for the Radio Amateur and Don Keith, N4KC, author of Riding the
Shortwaves: Exploring the Magic of Amateur Radio will be available to
discuss -- and sign -- their books during Hamvention.

In addition to the "Meet the Authors" area, the ARRL EXPO will include
a wide variety of exhibits and activities from the ARRL, including an
exhibit commemorating the 75th anniversary of W1AW featuring
photographs of the station from over the years; QSL card checking; the
```

opportunity to have your handheld transceiver checked for spurious emissions; youth activities, and more. Read more <http://www.arrl.org/news/meet-the-authors-at-arrl-expo-in-dayton>.

==> + ARRL CENTENNIAL CELEBRATION: ARRL PUBLIC RELATIONS COMMITTEE SPONSORING "I AM THE ARRL" VIDEO CONTEST

As part of the ARRL's Centennial Celebration in 2014, the ARRL's Public Relations Committee is sponsoring an "I am the ARRL" video contest. The Committee is looking for pairs of short video clips featuring ARRL members. One clip should show the radio amateur on the radio, while the other should show the amateur in his or her work setting saying "I am (name). I like (radio activity) and I am the ARRL."

ARRL Public Relations Manager Allen Pitts, W1AGP, explained further: "For example, a car mechanic in coveralls working over an engine looks at the camera and says 'I am Henry Smith, N0XCC. I like to talk to people in exotic countries and I am the ARRL.' This clip would then be paired with a shot of him at home talking on the radio. You may be a lab technician in a white coat, a doctor with a stethoscope, a teacher in a classroom, a cook in a kitchen -- whatever represents your profession. We're looking for videos that communicate that you are that 'guy or gal down the street' and you are the ARRL. With Field Day coming up next month, you have a great opportunity for filming clips." Read more <http://www.arrl.org/news/arrl-public-relations-committee-sponsoring-i-am-the-arrl-video-contest>.

==> + FCC NEWS: FCC AND GAO RELEASE RECOMMENDATIONS ON RECEIVER PERFORMANCE; COMMENTS INVITED

In early 2012, FCC Chairman Julius Genachowski tasked the FCC's Technological Advisory Council (TAC) to study the role of receivers "in ensuring the efficient use of spectrum and to provide recommendations on avoiding obstacles posed by receiver performance to making spectrum available for new services." On April 22, 2013, the FCC released a Public Notice (Docket No. ET 13-101), detailing the recommendations of the TAC's working group on Receivers and Spectrum in a white paper called Interference Limits Policy -- The use of harm claim thresholds to improve the interference tolerance of wireless systems. Last week, President Obama nominated TAC Chairman Tom Wheeler as FCC Chairman.

In addition to the work of the TAC, the Government Accountability Office (GAO) was tasked by Congress in the Middle Class Tax Relief and Job Creation Act of 2012 to study spectrum efficiency and receiver performance. The GAO report -- titled Further Consideration of Options to Improve Receiver Performance Needed -- was recently published and references the TAC white paper. The GAO report recommends that the FCC "consider small-scale pilot tests and other methods to collect information on the practical effects of various options for improving receiver performance." Comments on the both the TAC's white paper and

the GAO's report are now being accepted.

The white paper also noted that "interference being experienced is widely distributed both geographically and temporally. This would be the case when, for example, widely deployed consumer devices like television sets or handheld wireless devices receiving signals 'over the air' are interfered with by, say, geographically dispersed private land mobile radio, amateur radio transmitters or other wireless devices operating in an adjacent band. Thus the base case would exclude resolution of interference that arises when multiple radio systems (i.e., transmitters and receivers) are co-located at a single antenna site, or on a single tower, or even share a single antenna on a tower." The ARRL is studying all the documents in this proceeding and expects to file comments. Read more <http://www.arrl.org/news/fcc-and-gao-release-recommendations-on-receiver-performance-comments-invited>.

==> + PUBLIC SERVICE: GAREC 2013 TO PRECEDE HAM RADIO GATHERING IN FRIEDRICHSHAFEN NEXT MONTH

The 2013 Global Amateur Radio Emergency Communications Conference (GAREC) will take place June 25-27 in Zurich, Switzerland, immediately preceding HAM RADIO -- Europe's largest Amateur Radio gathering -- in Friedrichshafen, Germany, June 28-30. GAREC 2013 will be combined with Switzerland's Convention of Amateur Radio Emergency Communication, on June 27. GAREC -- held annually since 2005 -- provides an opportunity for emergency communicators to discuss recent events, technical solutions to problems and how to find cooperation with professional partners. Attendees have an interest in providing emergency communication via Amateur Radio during training exercises or in response to disasters.

While GAREC 2013 will primarily focus on Amateur Radio emergency communication in Europe, all radio amateurs who are interested in providing public service via Amateur Radio are invited to attend. This year's topics include the relevance of Amateur Radio Emergency Communication in the First World and the HAMNET high speed data network, as well as presentations from the three IARU regions and presentations from groups with recent disaster relief communications operations. The ARRL will be represented by ARRL Vice President for International Affairs Jay Bellows, K0QB, who will also attend HAM RADIO. Read more <http://www.arrl.org/news/garec-2013-to-precede-ham-radio-gathering-in-friedrichshafen-next-month>.

==> + HURRICANE WATCH NET SEEKS NEW MEMBERS FOR NET CONTROL STATIONS

With the 2013 hurricane season approaching, the National Hurricane Center (NHC) in Miami and the Hurricane Watch Net (HWN) are gearing up for what could be a very active storm season. In preparation for the upcoming season, the HWN is currently seeking new members who can serve as net control stations. The HWN provides on-the-ground, real-time

weather data from Amateur Radio operators who volunteer their time to monitor their calibrated home weather stations. The stations report that data to the HWN, who in turn reports it to WX4NHC, the Amateur Radio station at the NHC. "The Hurricane Watch Net relies on volunteer operators -- our members -- who serve as our net control stations," HWN Net Manager Bobby Graves, KB5HAV, told the ARRL. "HWN members are hams who have above-average stations, are capable of effectively conducting HF net operations and are willing to commit their time to operating in support of the HWN's mission during net activations." Read more <http://www.arrl.org/news/hurricane-watch-net-seeks-new-members-for-net-control-stations>.

==> SUPPORT ARRL: ATTENTION FEDERAL EMPLOYEES -- ARRL APPROVED FOR 2013 COMBINED FEDERAL CAMPAIGN!

Since 2001, the US Office of Personnel Management has designated the ARRL to participate in the Combined Federal Campaign (CFC), the annual giving campaign for federal employees. In that time, this campaign for civilian employees of the federal government, US Postal Service workers and members of the military has generated almost $220,000 for ARRL programs. The CFC provides federal employees with an easy way to support the ARRL's effort to represent its members and all radio amateurs.

The CFC encourages individuals employed in all branches of the federal government to pledge by payroll deduction to the non-profit organizations of their choice. The ARRL encourages eligible radio amateurs to consider the League when designating campaign recipients. Payroll deduction through the CFC is an easy way for participants to support the ARRL over and above their annual membership. Such contributions support programs that are not funded by member dues, enriching the ARRL's ability to serve its members and all of Amateur Radio. Read more <http://www.arrl.org/news/attention-federal-employees-arrl-approved-for-2013-combined-federal-campaign>.

==> ON THE AIR: ANNUAL ARMED FORCES DAY CROSSBAND TEST SCHEDULED FOR MAY 11

In celebration of the 63rd anniversary of Armed Forces Day (AFD), the Army, Air Force, Navy, Marine Corps and Coast Guard are co-sponsoring the annual Military/Amateur Radio Crossband Communications Test. Although Armed Forces Day is traditionally celebrated on the third Saturday in May -- May 18 in 2013 -- the AFD Military/Amateur Crossband Communications Test will be conducted on May 11 to prevent conflict with the Dayton Hamvention¿½, scheduled for May 17-19. The annual celebration features traditional military-to-amateur crossband communications SSB voice and Morse code tests. These tests give Amateur Radio operators and short wave listeners an opportunity to demonstrate their individual technical skills and to receive recognition from the appropriate military radio station for their proven expertise. QSL cards will be provided to stations making contact

with the military stations. Read more
<http://www.arrl.org/news/annual-armed-forces-day-crossband-test-scheduled-fo
r-may-11>.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: This week, the average daily sunspot
numbers remained about the same, with the number nudging up from 120.9
to 121.7, while the average daily solar flux numbers went from 136.5 to
137.5. For the past two weeks, the average planetary A index has been
the same as the mid-latitude A index. Last week they were both 9.9;
this week, both values were 8. The predicted solar flux for the near
future is 125 on May 9-10, 120 on May 11-13, 115 on May 14-15, 120 on
May 16-17, 125 on May 18, and rising to 130 on May 19-20. The predicted
planetary A index is 5 on May 9-20, then 15, 10 and 15 on May 21-23, 5
on May 24-27, and rising to 15 and 10 for May 28-29. Look for more
information on the ARRL website on Friday, May 10. For more information
concerning radio propagation, visit the ARRL Technical Information
Service Propagation page
<http://www.arrl.org/propagation-of-rf-signals>.

==> + NEW QUICKSTATS POLL NOW AVAILABLE ON ARRL WEBSITE

Four new poll questions have just been published on the QuickStats page
<http://www.arrl.org/quickstats> on the ARRL website. Let your voice be
heard!

Questions in this month's QuickStats poll:

- Do you own a solid-state or tube-type linear amplifier?
- Where will you be operating during Field Day 2013?
- Do you own a software defined receiver or transceiver?
- Have you participated in any VHF/UHF contests during the last five
years?

Visit the QuickStats page <http://www.arrl.org/quickstats> and be sure
to bookmark it in your browser. Results from this QuickStats poll will
be published in the July 2013 issue of QST on the QuickStats page,
located in the rear advertising section of the magazine. Along with
monthly poll results, QST QuickStats offers colorful charts and graphs
that highlight interesting Amateur Radio statistics.

This Week in Radiosport

This week:

- May 10 -- NCCC Sprint Ladder
- May 11 -- FISTS Spring Sprint
- May 11-12 -- Nevada Mustang Roundup; VOLTA WW RTTY Contest; CQ-M
International DX Contest; Portuguese Navy Day Contest; SKCC Weekend
Sprintathon; EUCW Fraternizing CW QSO Party; Worldwide EME Contest

Next week:

- May 18 -- Portuguese Navy Day Contest (Digital); Feld Hell Sprint
- May 18-19 -- His Majesty King of Spain Contest (CW); Baltic Contest; EU PSK DX Contest; Worldwide EME Contest
- May 20 -- Run for the Bacon QRP Contest
- May 22 -- SKCC Sprint
- May 22-23 -- CWops Mini-CWT Test

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

Upcoming ARRL Section, State and Division Conventions and Events

- May 17-19 -- Dayton Hamvention <http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention <http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>, Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention <http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>, Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention <http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-ham-com>, Plano, Texas
- June 8 -- ARRL Delta Division Convention <http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers, Arkansas; ARRL Tennessee State Convention <http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-electronics-convention>, Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention <http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-colorado-2013>, Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention <http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecracker-hamfest-electronics-expo>, Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference <http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>, Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention <http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>, Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention <http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>, Austin, Texas

- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Parties.

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177. Amateur Radio Newsline(tm) Report 1865 - May 10 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-10 13:01:33 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130510090003.B4B7C33C6C@panix2.panix.com>
Source record: 187
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1865 - May 10 2013

Amateur Radio Newsline report number 1865 with a release date of May 10 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T.

A new 24 Gigahertz E-M-E record claimed between Australia and the Czech Republic; new life for ham radio in Tunisia; NASA and ham radio assemble a PhoneSat image of Earth and an in-depth preview of the 2013 Dayton Hamvention. All this and more on Amateur Radio Newsline(tm) report number 1865 coming your way right now.

(Billboard Cart Here)

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HAMVENTION 2013 PREVIEW: DOORS OPEN FRIDAY MAY 17

It won't be long before the gates at the Hara Arena in Dayton, Ohio swing open for the 2013 Dayton Hamvention. This year's gathering runs May 17th to the 19th and for the first time ever, its theme is the DX Hamvention. And in a recent interview with Hap Holly, KC9RP, of the RAIN Report, Hamvention spokesman Michael Kalter, W-8-C-I, explained the reasoning for this choice:

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Kalter: Our theme this year, the DX Hamvention, seemed to resonaste with us because in order to have good DX and to make contact, toy reach out to the world. That's literally what Hamvention is tryiong to do; we reach out to the world and bring amateur radio operators in throughout the whole world.

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And says Kalter, this appears to be a record year for those showing and selling their wares at Hamvention:

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Kalter: "We have more vendors inside this year than we have ever had. Last year was a big year so we nearly sold out inside. It appears as if its going to be another great year inside. Its hard to keep up with all of the folks that are coming but you know that's part of the surprise of Dayton is that a new vendor comes in and you go: `.oh my gosh, I didn't know about these people and you find some new and

interesting radio gear.'"

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And will there be anything really special taking place? Kalter says most definitely:

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Kalter: "One of the big things this year is that Homeland Security is going to be involved with us. They approached us last year and they are going to have a special emergency (class) this year. I think you can get your different certificates from the 100B through the 800B certificate. That's a new thing for this year."

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As usual, Amateur Radio Newsline has its team of reporters at Hamvention 2013. We also will be hosting the annual Ham Radio Town Meeting on Saturday, May 18th where the central topic will be "What DX Means to Me." In keeping with the theme of this years Hamvention, this will be a non-technical look at working and being DX from a very personal point of view. Among our presenters will be world-class DX operator Chip Margelli, K7JA, of Innov Antennas; Hollywood film maker and DX'er Dave Bell, W6AQ and the United States Coordinator of the International Morse Code Preservation group FISTS, Nancy Kott, WZ8C, to mention only three. So if you will be at Hamvention 2013, please stop by Meeting Room 2 on Saturday, May 18th from 11:45 a.m. to 2 p.m. in Meeting Room 2 for this year's Ham Radio Town Meeting. We are looking forward to seeing you there. (ARNewsline(tm) with audio supplied by The RAINReport)

**

HAMVENTION 2013: LIVE NETCAST COURTESY OF W5KUB

And speaking about Hamvention, if you cannot be there in person, then you can travel to Dayton vicariously again this year thanks to Tom Medlin, W5KUB and his live television streaming at W5KUB.com.

Tom's live broadcast begins on Wednesday May 15th at 8:00 AM Central time as he starts the 550 Mile drive from Memphis to Dayton. On Thursday you can get a peak of the various vendors setting up and then enjoy the next three days of the Hamvention itself. And if you make it to Hamvention, Tom says that he and his crew will be set up at space SA302 and to drop by and say hello.

Once again, that's the 2013 Hamvention live on your computer or tablet courtesy of Tom Medlin at W5KUB.com. (W5KUB)

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HAMVENTION 2013: ICOM TO STREAM LIVE FROM HAMVENTION

And this just in. In addition to exhibiting some new products, Icom says that it will transmit a live video stream across the Internet from its Dayton Hamvention booths on Saturday, May 18th. At airtime, guest speakers include Emmy-nominated television producer John Amodeo, NN6JA of the hit ABC sitcom "Last Man Standing;" noted ham radio educator Gordon West, WB6NOA and AmateurLogic.TV host George Thomas, W5JDX. Thomas is also the recipient of this years Dayton Hamvention Special Achievement Award. A complete webcast schedule and other Dayton-related information can be found at www.icomamerica.com/dayton2013. (Icom)

**

RADIO IN SPACE: M CLASS SOLAR EVENT CAPTURED ON MAY 3RD

In other news, an intense solar storm erupted from the Sun on Friday, May 3rd in what astronomers have described as a dazzling solar display. The solar flare discharged from the left limb of the Sun peaked at 17:32 GMT, registering as a medium-strength M 5.7-class event that launched hot solar plasma about 200,000 kilometers above the surface of the Solar Disc. Photos of the event were captured by NASA's Solar Dynamics Observatory and sent back to Earth by radio.

The May 3rd solar storm was the second major space weather event in three days, but was not aimed at Earth. The Solar Disc fired off an eruption on Wednesday, May 1st from the same region, which at the time was at the very leftmost limb of the Sun as seen by the Solar Dynamics Observatory. Astronomers predict that this active region will be rotating to face Earth fairly soon.

So far the strongest solar flare of the year occurred on April 11 and registered as an M 6.5 class storm. M-class solar flares are medium-strength events and are the weakest type of storm that can still have an impact on Earth. When aimed directly at our planet they can cause aurora displays and some short term radio communications outages. The stronger X class flares are the ones that can interfere with communications satellites and cause major radio blackouts on Earth.

The Solar Dynamics Observatory is a NASA mission in launched in February of 2010 to study the Sun for over five years. It is one of several spacecraft constantly monitoring the our star to track these solar weather events as we approach what's believed to be near the peak of Solar Cycle 24. (Space.com, Spacenews, Wikipedia)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the Hamvention repeater, W8BI, serving Dayton, Ohio.

(5 sec pause here)

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WORLDBEAT: DARC AND UBA SUPPORT AMATEUR RADIO IN TUNISIA

Amateur radio could soon have a new life in Tunisia as we hear from Amateur Radio Newsline's Norm Seeley, KI7UP:

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The Deutscher Amateur Radio Club, which is Germany's national amateur radio society, reports that after the political changes in Tunisia amateur radio in that North African country has a new opportunity to expand. This as members of the Association of Tunisian Radio Amateurs used World Amateur Radio Day on April 18th to inform the that nations public and in particular its Minister for Technology, Information and Communication about amateur radio in its various forms.

Representatives of European amateur radio organizations were there to support the event. This included the International Office of the Deutscher Amateur Radio Club in the person of Mustapha Landoulsi, DL1BDF. Landoulsi gave a presentation on the important role of amateur radio in emergency and disaster situations.

Stefan Dombrowski, ON6TI, from the Belgian federation the U-B-A was also on hand. He explained the history of the development of amateur radio satellites, and in particular, the construction of CubeSat spacecraft and the AMSAT-UK FUNcube satellite.

According to reports, the Tunisian Minister was quite impressed by the potential of amateur radio. As a result he has promised to ensure that the necessary statutory basis for granting individual licenses would be created as soon as possible.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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This information appears to open up the prospect for the successful development of amateur radio in Tunisia. (ARAT)

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RADIO RECORDS: NEW 24 GHZ EME WORLD RECORD OF 16383 KM

Rex Moncur, VK7MO, has completed a Earth-Moon-Earth QSO with the OK1KIR EME Team in the Czech Republic with some 10,180 miles between. This, to claim the new world EME record on 24 GHz.

To accomplish this feat VK7MO used just a 1.14 meter dish and 10 watts which he has designed for portable operation. On the other end of the path OK1KIR used a 4.5 meter dish and 22 watts.

According to the VK7 News, this has been a 12 month project for VK7MO during which he collaborated with famed Digital low noise mode developer Joe Taylor, K1JT. The two worked to produce improved decoders that could cope with the very wide spreading of signals on the 24 GHz E-M-E path.

Word is that VK7MO and K1JT will be publishing this work in the next edition of DUBUS magazine. This is a publication which is devoted to VHF and Microwave amateur radio communications. More information is at www.dubus.org. (vk7news)

**

HAM RADIO IN SPACE: NASA AND HAM RADIO ASSEMBLE THE PHONESAT PICTURE

Engineers at NASA's Ames Research Center in California and amateur radio operators around the world recently collaborated to reconstruct an image of Earth sent to them from three smartphones launched into a low Earth orbit. Amateur Radio Newsline's Heather Embee KB3TZD, reports:

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The joint effort was part of NASA's nanosatellite mission called PhoneSat. The first phase was launched on Sunday, April 21st aboard the Antares booster from NASA's Wallops Island Flight Facility in Virginia.

Although the ultimate goal of the PhoneSat mission was to determine whether a consumer-grade smartphone can be used as the primary flight avionics for a satellite in space, the three miniature satellites also used their smartphone cameras to take pictures of Earth. These images were then transmitted to multiple ground stations as data packets with each packet holding a small piece of the big picture.

As the data became available, the PhoneSat Team working with multiple ham radio operators pieced together a high-resolution photograph from data sent back by the tiny birds. Amateur radio operators from every continent except Antarctica contributed in capturing the data packets needed to piece together the final image.

This first PhoneSat mission successfully ended Saturday, April 27th after atmospheric drag caused the tiny satellites to re-enter Earth's atmosphere and burn up as predicted by the mission planners.

For the Amateur Radio Newsline, I'm Heather Embee, KB3TZD, in Berwick, Pennsylvania.

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The PhoneSat project is a technology demonstration mission funded by NASA's Space Technology Mission Directorate and the Engineering Directorate at NASA Ames Research Center. The project started in summer 2009 as a student led project between the Ames Research Center and the International Space University at Strasbourg. For more information about the PhoneSat mission and the part played by amateur radio please visit www.phonesat.org on the World-Wide-Web. (NASA Release, Southgate)

**

RESCUE RADIO: PREMIERE NETWORKS JOIN FEMA IN EAS

FEMA, the Federal Emergency Management Agency, says it will add Premiere Networks as a Primary Entry Point station for the nations Emergency Alert System or EAS. FEMA has already been installing satellite receivers at Primary Entry Point stations, intending to use satellite delivery of emergency alerts as an alternative distribution method.

According to reports Premiere Networks will use its satellite program receivers at its affiliates as another tool for delivering national EAS messages. The radio affiliates would in turn broadcast the emergency messages to the public.

Primary Entry Point stations are private or commercial radio broadcast stations that cooperatively participate with FEMA to provide emergency alert and warning information to the public before, during, and after incidents and disasters. Since the national EAS test in 2011, both FEMA and the FCC have been studying the results and executing fixes. (RW)

**

RADIO POLITICS: PRESIDENT OBAMA TO NOMINATE TOM WHEELER AS NEXT FCC CHAIRMAN

President Obama says that he will nominate wireless telecommunications and cable executive Tom Wheeler as the next FCC chairman. He will also designate Commissioner Mignon Clyburn to act as "acting Chairwoman" once current Chairman Julius Genachowski leaves the agency.

In a press statement, Genachowski said he's known Wheeler for 20 years and he's made strong contributions to the FCC's work. This includes unleashing spectrum for mobile, removing barriers to private investment, and strengthening our cyber security. Genachowski called Clyburn a strong, experienced and thoughtful leader who's distinguished herself as a champion for closing America's digital divide. (Published news reports)

**

RADIO POLITICS: W7EQI SAYS TV SPECTRUM AUCTION SHOULD BE UNENCUMBERED

Representative Greg Walden, W7EQI, of Oregon is worried that the FCC could mess up its planned auctions of TV broadcast frequencies by imposing too many restrictions on the process. Amateur Radio Newsline's Jim Davis, W2JKD, has more:

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In a recent statement Walden, who the chairman of the House Communications and Technology subcommittee, endorsed the recommendations of the Expanding Opportunities for Broadcasters Coalition, a group of TV stations interested in participating in the auctions.

In his statement Walden asked the rhetorical question of what if the FCC held a broadcast incentive auction and no one came? He went on to note that could be a distinct possibility if the Commission does not heed the advice that the coalition of television stations filed recently with the agency.

Walden also agreed with the broadcasting group that the FCC should not exclude any wireless carriers, such as AT&T and Verizon, from the auctions. They argue that restricting bidders would likely suppress the final bid amount, leaving crucial revenue on the table.

Consumer advocacy groups have urged the FCC to prevent Verizon and AT&T from buying up the entire TV spectrum at auction. They argue that it would further consolidate market power in the top two carriers and stifle competition in the industry.

I'm Jim Davis, W2JKD.

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Last year, Congress authorized the FCC to encourage TV stations to voluntarily give up their rights to some of their spectrum for auction to cellular and broadband carriers. These broadband suppliers claim that they are struggling to keep pace with the booming demand for mobile data spectrum. (The Hill)

**

HAM HAPPENINGS: ARMED FORCES DAY CROSSBAND MILITARY/AMATEUR RADIO COMMUNICATIONS TEST HELD EARLY

The Army, Air Force, Navy, Marine Corps, and Coast Guard co-sponsored the annual military to amateur radio communications tests in celebration of the 63rd Anniversary of Armed Forces Day a bit early this year. That's just after this newscast goes to air.

Although the actual Armed Forces Day is celebrated on May 18th, the Crossband Communications Test was conducted May 11th to prevent conflict with the Dayton Hamvention, which is the same weekend.

The annual celebration featured traditional military to amateur cross band communications using both SSB voice and Morse code. These tests give Amateur Radio operators and Short Wave Listeners an opportunity to demonstrate their individual technical skills, and to receive recognition from the appropriate military radio station for their proven expertise.

QSL cards will be provided to those stations that made contact with the military stations. Full details can be found at tinyurl.com/crossband-2013. (US MARS, ICPO, Southgate)

**

NAMES IN THE NEWS: RAC NAMES SCOTT WOOD VE1QD AS CANADIAN RADIO AMATEUR OF 2012

The Radio Amateurs of Canada Board of Directors has announced the selection of Scott Wood, VE1QD of Halifax, Nova Scotia, as the Canadian Radio Amateur of the Year for 2012.

Wood celebrated sixty years in Amateur Radio in 2012. Over these years he has contributed enormously, and in many and varied ways both to our hobby and to radio in general. In his youth as a net controller in the Oregon State Fire Service, later as a radio operator in the US Naval Reserve, as a member of the Board of Directors for Radio for Peace International, in contesting and DXing, and in elmering aspiring new hams, both young and old. However, it is the leadership in Amateur Radio that Scott has demonstrated locally, regionally, and internationally that is being recognized with this award.

According to Radio Amateurs of Canada, Wood has demonstrated vision, enthusiasm, and a commitment to excellence in the area of Amateur Radio DXing. This through the establishment and management of the Maritime DX Forum for eight consecutive years.

Radio Amateurs of Canada says that VE1QD envisioned the forum to be a venue where DX'ers in the region could come together annually to hear world-class, as well as local DX experts speak about important and current DX topics. The gathering would also provide a forum in which to share ideas with some of the best operators and leaders within the amateur radio community.

Presentation Canadian Radio Amateur of the Year for 2012 will be made to Scott Wood, VE1QD at the Radio Amateurs of Canada booth at the 2013 Dayton Hamvention. (RAC)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

HAM RADIO IN SPACE: VO-52 SATELLITE COMPLETES EIGHT YEARS ON ORBIT

VU2WMY reports that AMSAT-India's VO-52 hamsat completed 8 years on-orbit on Sunday, May 5th. He notes that the overall health of the satellites parameters are excellent and that AMSAT-India hopes that transponders on-board VO-52 will continue to render services for many more years to come. He also notes that during the time it has been in space that VO-52 has proven to be a valuable communications resource for the amateur radio community. (VU2WMY, Southgate)

**

HAM RADIO IN SPACE: DEAD SATELLITE COMES ALIVE

The Times of India reports that a three-kilogram student satellite named Jugnu that was thought to be dead has come back to life.

Jugnu was launched on October 12, 2011 with a one year mission life. After it stopped transmitting controllers stopped tracking it.

Now comes word from the Nitte Amateur Satellite Tracking Centre in Bengaluru that it has been heard once again. Also that while its signals were strong, some of its internal functions had apparently weakened.

You can read the entire story on the re-birth of this bird at tinyurl.com/india-satellite-lives. (Tmies of India)

**

WORLDBEAT: SULTAN ORDERS CONSTRUCTION OF HEADQUARTERS FOR ROARS

His Majesty Sultan Qaboos Bin Said has ordered the construction of a permanent headquarters for the Royal Omani Amateur Radio Society also known as ROARS. This on a piece of land allocated for the ham radio society.

The plan was recently unveiled by the Secretary General of the Royal Omani Amateur Radio Society. In a speech during opening the regular session of the General Assembly, the Secretary General extended the thanks and appreciation of ROARS members to His Majesty the Sultan for the support given to the group since its establishment in the 1970's. He also noted that is what he termed as the wise vision of the Sultan that has played a major role in moving forward with all of the activities that may advance the nation's youth while giving them the opportunity of added scientific and technical progress. (ROARS)

**

WORLDBEAT: LONDON GB3LV IRLP/ECHOLINK NODE UP-AND-RUNNING AGAIN

Some good news for hams in North London, England. After some software hardware problems along with extensive radio room refurbishments, the GB3LV I-R-L-P and Echolink node is back in service. The node holds the IRLP designation of 5600 and Echolink assignment of 155403. It was off the air for several weeks during the upgrade. (G4CJC)

**

WORLDBEAT: SARL PLANNING YOUTH WEEK IN FEBRUARY 2014

The South African Radio League is planning to hold a Youth Week in mid February of 2014. This to coincide with the ARRL School Club Round-up from February 11th to the 15th of 2014 in the United States.

The South African Radio League's newly appointed Youth Councilor is Gerhard Coetzee, ZS3TG. He says that he is looking for input and suggestions on the type of activity young radio amateurs in South

Africa would like to see included. If you have any ideas, please e-mail then to youth (at) sarl (dot) org (dot) za before the end of May. (SARL)

**

ON THE AIR: BATTLE OF THE ATLANTIC SPECIAL EVENT

G0ELZ and G3UFO have announced that special event call signs GB70BOA and GB70WA will be on the air between May 20th to the 27th. This to commemorate the 70th anniversary of the Battle of the Atlantic.

Operations using all modes will take place on 80 through 10 meters as well as on 144 and 432 MHz. Station operators are hoping to make over 2800 contacts during this period. A special commemorative QSL card will be available. More details can be found on line at tinyurl.com/cmvdvq8 (G0LEZ)

**

DX

In DX, word that HD2A and HC2AQ will be active from Galapagos Islands May 15th to the 20th as HD8A. Operations will be on all of the High Frequency bands. QSL via HD2A.

OY1CT will be active from the Faroe Islands during May with special call OW75FOC. He will be operating on the High Frequency bands only. If you work him please QSL via Carsten Thomsen, OW75FOC, Kvivik, the Faroe Islands or as directed on the air.

UA4WHX is currently operational portable CP1 from Bolivia. You will find him on the various HF bands. QSL via UA4WHX.

ZL2AGY will be active from Rarotonga Island from May 9 to the 29th as E51FOC and E51AGY. QSL either via his home call.

Members of F6KUF Club station will be operating from Noirmoutier Island from May 18th to the 20th as F6KUF stroke P. They will be active on 80 through 2 meters using CW, SSB and RTTY. QSL via F6KUF

F4CZU will be on the air from Gozo Island through May 18th as 9H3ZU. He will be active on most HF Bands. QSL via F4CZU

Lastly, HA0NAR will be operational from Viti Levu Island, Fiji Islands in October 2013 as 3D2AR. Listen out for him an all of the High Frequency bands. QSL via his home call

(Above from various DX news sources)

**

THAT FINAL ITEM: GLOW IN THE DARK SHEEP

And finaly this week, word that scientists in Uruguay have announced the world's first genetically-modified phosphorescent sheep. No, we

are not kidding as we hear from Amateur Radio Newsline's Bruce Tennant, K6PZW, who has this glowing report:

--

According to news reports, nine glow-in-the-dark sheep were born in October of 2012 at Uruguay's Institute of Animal Reproduction in a genetics experiment in conjunction with the Institut Pasteur. The scientists say that they used the fluorescent protein from a species of jelly fish to give sheep a distinct glowing green color when exposed to ultraviolet light.

One of the team's lead researchers is Alejo Menchaca. In a recent press conference he noted that the genetic modification was done in the desire to fine tune the technique. Other researchers believe that these genetically modified, glow in the dark animals can help mankind to better understand diseases and how they develop in both the animal kingdom and in human beings.

The scientists say the nine sheep developed normally. They claim there are no differences between them and their non-genetically modified siblings other than that they can be made to glow from head to toe.

And before you ask, we have no idea if they can been trained to blink on and off in Morse code nor if they did if they would be considered for bonus points on Field Day.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, not all that far from the glow of Hollywood.

--

More can be found on line at various on-line news sites including tinyurl.com/sheep-glow. (Various news sources)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the nominating period for the 2013 Amateur Radio Newsline Young Ham of the Year Award is now open. Full details and a nominating form are on our website at www.arnewsline.org/yhoty.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Damron, N8TMW, in Charleston, West Virginia, saying 73 and we thank you

for listening.

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178. FCC Daily Digest 05/10/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-10 17:06:47 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527728-2013.05.10-12.27.59--rec-radio-info#panix.com@info.fcc.gov>
Source record: 188
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 90 May 10, 201
3

* * * * *

[...]

AMENDMENT OF PART 2 OF THE COMMISSION'S RULES FOR FEDERAL EARTH STATIONS C
OMMUNICATING WITH NON-FEDERAL FIXED SATELLITE SERVICE SPACE STATIONS; FEDER
AL SPACE STATION USE OF THE 399.9-400.05 MHZ BAND, ET AL. FCC takes steps
to Make Spectrum Available For Commercial Space Launches And Facilitate U.
S. Government Use of Commercial Satellite Services. Action boosts U.S. lead
ership in commercial space industry. by NPRM. (Dkt No. RM-11341 13-115).
Action by: the Commission. Adopted: 05/09/2013 by NOI. (FCC No. 13-65).
OET http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A2.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A3.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A4.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A5.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A2.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A3.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A4.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A5.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A2.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A3.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A4.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-65A5.txt

[...]

179. June 2013 QST Digital Edition

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-13 22:12:24 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130513203901.1CD6B25137@bmail.arrl.org>
Source record: 189
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

***June 2013 /QST/ Digital Edition - Now Available* June 2013 edition
<http://www.nxtbook.com/nxtbooks/arrl/qst_201306/>
Go to this link and start reading: June 2013 /QST/
<http://www.nxtbook.com/nxtbooks/arrl/qst_201306/>.

*Special Field Day **issue!*

* Earn your Field Day Satellite Bonus
* Hang your Antennas with a Singapore Sling
* Install a Field Day Tower the Right Way
* Experience Field Day from the Air
* Build a Simple Field Day Battery Monitor
* ... and much more!

Enjoy Content You Won't Find in the Print Edition

* Watch video overviews of the ACOM 1500 HF and 6 Meter Amplifier;
the Elecraft KAT 500 Automatic Antenna Tuner and the Array
Solutions AS-419 Switched Band-pass Filters.

Every issue of /QST/ is filled with the news and features you need to
keep active in Amateur Radio. Enjoy this issue!

App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>
Download the */QST/ App* for Apple mobile device users. The app is free
in Apple's App Store
<https://itunes.apple.com/us/app/qst/id531766442?mt=8>. Users with
Android devices should use the enhanced web version
<http://www.nxtbook.com/nxtbooks/arrl/qst_201306/> of /QST/ which is
optimized to automatically recognize Android phones, tablets and e-book
readers.

What is a digital edition?
The digital edition of /QST/ is an electronic form of the journal. All
ARRL members have access to the digital edition of /QST/...a way to read
and interact with the current issue of /QST/ anytime, anywhere. Each
issue includes unique, digital-edition-only content such as video, audio
features and extra content. Members can also access the digital archive
for access to previous issues.

How do I access the digital edition?
/QST/ can be read online or downloaded onto some devices. Members must
have a valid ARRL website login to access this benefit. You can always
find a link to the current digital edition and archives at
www.arrl.org/qst <http://www.arrl.org/qst>. Apple iOS device users

(iPhone, iPad and iPod touch) can also access the digital edition from a dedicated QST app. The app is free in Apple's App Store <https://itunes.apple.com/us/app/qst/id531766442?mt=8>.
To login or register, go to www.arrl.org/myarrl <http://www.arrl.org/myarrl>.
Forgot password? Go to www.arrl.org/forgot-password <http://www.arrl.org/forgot-password> to reset your password.
Not a member? Join today <http://www.arrl.org/join/QDF> and get access to the current digital edition, now.
Need help? Visit the digital edition help page <http://www.arrl.org/digital-qst-faq> for frequently asked questions.
Need more help? Contact Member Services by telephone 860-594-0200 or 888-277-5289 (US only) or email circulation@arrl.org <mailto:circulation@arrl.org>.

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You can choose to opt-out* of the mailed, print edition of /QST/ at any time. Complete our online opt-out form <http://www.arrl.org/QST-print-edition-opt-out-form>. Due to the lead time required to prepare /QST/ for mailing, you may receive one last printed issue. * Disclaimer: Choosing to opt-out of the print edition of /QST/ is voluntary and will not result in a refund or reduction of ARRL membership dues. Any savings will be used to extend the ARRL's reach in the areas of public service, education, advocacy, technology and membership.

About this email
You are subscribed to receive monthly notification of the digital edition of /QST/. If you have an ARRL website user account, you can manage all of your e-mail preferences at www.arrl.org/myarrl <http://www.arrl.org/myarrl>.

Logo
Address
225 Main Street, Newington, CT 06111-1494 USA
www.arrl.org <http://www.arrl.org>

180. rec.radio.amateur.moderated Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-15 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/guidelines-1-1368597601@panix.com>
Source record: 190
Cross-posted to: rec.radio.amateur.moderated,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/guidelines
Revision: 1.14 2011/12/31 20:05:40
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

Welcome to rec.radio.amateur.moderated! This is a moderated newsgroup
for amateur radio operators and other people having an interest in the
Amateur Radio Service, as defined by national regulations and
international treaties. Following are the posting guidelines for this
newsgroup.

This message includes the following sections:

1. Topics and posting policies from the rec.radio.amateur.moderated Charter
2. Additional posting guidelines
2.1 Netiquette guidelines
2.2 Posting form requirements
2.3 Guidelines on signature (.sig) files
2.4 Guidelines on excessive quoting
2.5 Guidelines on pointers to outside sources
2.6 Guidelines regarding questioning someone's suitability to hold
an amateur radio license
2.7 Guidelines regarding name-calling
2.8 Guidelines regarding civility
2.9 Guidelines regarding anonymity and pseudonyms |
2.10 Other unacceptable topics |

------------------------------------------------------------------------

1. Topics and posting policies from the rec.radio.amateur.moderated Charter

rec.radio.amateur.moderated is an inclusive on-line community of amateur
radio operators and other people having an interest in the Amateur Radio
Service. Participants are invited to engage in open discussion of
amateur radio issues and exchange information about participating in the
hobby/service, in an atmosphere of civility, friendship, and fun.

Acceptable topics include but, are not necessarily limited to, questions
and discussions about amateur radio licensing, regulations, tips on
various aspects of setting up an amateur radio station, and sharing
operating experiences and insights.
```

Unacceptable posts include, but are not limited to, buy/sell/trade posts, posts that are off-topic to the Amateur Radio Service, posts promoting or defending unlawful activities, etc.

Frequently-Asked-Questions lists and other information/bulletin/ announcement postings may be crossposted to rec.radio.info, rec.answers, and news.answers only with prior approval of the moderators of those newsgroups. In all such cases, an appropriate "Followup-To" header, containing only rec.radio.amateur.moderated, will be added by the moderators if one is not already provided.

After a 30-day public discussion and feedback period to gauge reader opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35f23326

the rec.radio.amateur.moderated Moderation Team had decided to consider amending its charter, and permit limited simultaneous crossposting to rec.radio.amateur.moderated and one other unmoderated amateur-radio-related discussion newsgroup. After a successful trial period (90 days, through early July 2009), we decided to adopt this change permanently.

Approved rec.radio.amateur.* newsgroups are those that are currently listed in the latest version of the "List of Big Eight Newsgroups" which is crossposted monthly to news.announce.newgroups, news.groups, and news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those that have been created consistent with the suggestions in "So You Want to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either "radio.amateur" or "ham-radio" in their names, including uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved newsgroups up-to-date. In case we have overlooked any, and a submission is rejected in error as a result, the rejected submitter can E-mail us at our administrative contact address (in the signature at the bottom of this article, and the default Reply-To for the rejection message) requesting that it be added, and that the article be approved. We may still choose to reject articles crossposted to any alt.* newsgroup with an inappropriate name, including obscene language, embedded name-calling, or encouragement of unlawful conduct.

Posters are encouraged to state their own views and share their experiences, but to refrain from making assumptions about the motivations of other newsgroup participants. Posters are expected to maintain a basic tone of civility. Prohibited uncivil discourse includes, but is not limited to, name calling.

Posts containing unsolicited advice questioning the right, worthiness, suitability and/or readiness of any individual (or members of any group) to be an amateur radio operator are unacceptable in this newsgroup. If an individual chooses to post asking for advice on when or whether to obtain an amateur radio license, or to participate in any type of lawful activity in the Amateur Radio Service, respondents should be careful to address their comments only to the original poster and not explicitly generalize to others in similar situations.

Similarly, posts that arbitrarily declare certain classes of amateur radio licenses, or certain members of national amateur radio societies (e.g., American Radio Relay League, Radio Amateurs of Canada, Radio Society of Great Britain, Wireless Institute of Australia, etc.), to be more or less worthy than others, are not permitted. Posts that politely encourage individuals to join their local amateur radio society, or to upgrade to higher classes of amateur radio license in order to enjoy greater operating privileges, are permitted, however. Posts that contain reasoned, civil, and fact-based discussion of the activities and internal politics of national amateur radio societies are also permitted.

Buy/Sell/Trade and Commercial Policy:

Posts containing offers to buy, sell, or trade are not permitted on rec.radio.amateur.moderated. The rec.radio.swap newsgroup was created for this purpose, and should be used instead. All such articles will be rejected by the moderators with the advice to re-post to that newsgroup.

This policy also prohibits links to, and discussions of, specific auctions. Posts on the subject of how ham operators can help newcomers to find good deals, or about the need to visit flea markets and look around locally before turning to auction sites, are acceptable, but not complaints about a single auction or auction site.

Postings that are entirely advertisements or other public relations campaigns will not be permitted. Relatively unbiased announcements or reviews of new amateur radio-related products or services may be permitted at the discretion of the moderators. Such posters are asked to disclose their financial or professional interest, if any, in such products or services.

Mentions of small amounts of free items, including both parts and equipment, for giveaway will be permitted on an occasional basis from casual, non-commercial owners, and at the discretion of the moderators. The items should be free except for reasonable direct costs such as shipping, must be directly amateur-radio-related, must be in serviceable condition, and be practical to ship to a distant recipient. This is intended as a common-sense exception to our ban on forsale postings, provided that it doesn't overwhelm the basic character of our discussion newsgroup with classified ads or requests to haul off scrap or junk in salvage condition.

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2. Additional Posting Guidelines

2.1 Netiquette guidelines

Participants who are new to Usenet should familiarize themselves with the "netiquette" of Usenet as well as the particular posting guidelines for this group. Several useful posts for "newbies" can be found on the newsgroup news.announce.newusers or on the WWW at:

http://www.faqs.org/faqs/by-newsgroup/news/news.announce.newusers.html

Particularly helpful articles are:
Welcome to Usenet!
Rules for posting to Usenet
Hints on writing style for Usenet
A Primer on How to Work With the Usenet Community
Emily Postnews Answers Your Questions on Netiquette
Answers to Frequently Asked Questions about Usenet

Because rec.radio.amateur.moderated is a Usenet newsgroup, there are implied or derived guidelines for participation that are drawn from the above articles about overall Usenet culture and tradition. Two of these implied or derived guidelines are encapsulated in two basic rules that our moderation team uses to initially determine whether an article is appropriate for our newsgroup. They are restated explicitly here for clarification:

Basic Rule #1: The article must be on-topic for amateur radio. A rule-of-thumb that our moderation team applies is whether the article mentions amateur radio, ham radio, some synonym for amateur or ham radio, some technique or practice of amateur or ham radio including closely related technical topics such as antennas or portable power, or regulatory politics that directly affect amateur radio. This rule-of-thumb is also applied to determine if an article in a thread has drifted too far off-topic. For example, articles that have drifted into general rants or monologues will probably be returned with a polite request to rewrite to include a reasonable amateur radio connection or angle.

Basic Rule #2: The article must not have excessive spelling, grammar, or logical argument errors affecting readability and understandability. The moderation team understands that clear, understandable, technical or expository writing is a skill that can only be perfected through a lifetime of focused training and practice. Because the moderation team does not want to hold submitters to a standard higher than what it can achieve itself, nor disrupt the newsgroup and discourage submitters by playing spelling or grammar police, it will only return for rewrite any article that cannot be reasonably understood by multiple moderators.

If it is necessary to return any article for a rewrite because the moderators have determined that it does not meet Basic Rule #1 or #2, please accept this constructive feedback in the manner in which it is intended. The moderation team offers its assistance to help rewrite any submitted article into a form that preserves its original intent and

meaning, but is also on-topic, as well as readable and understandable by others.

2.2 Posting form requirements

Any article that falls into any of the following categories will be automatically rejected:

A) Articles that contain original text of more than 75 characters per line
B) Crossposted articles to newsgroups not included in these Guidelines
C) Articles that contain more than 400 lines
D) Encoded binary files (except PGP and other short digital signatures)
E) Attachments to posts
F) Articles containing obscene language
G) Articles from individuals who have been suspended or banned from the newsgroup

2.3 Guidelines on signature (.sig) files

Many people close each article they write with a few lines of common text. This may be a cute quip or quote, or may include information about their family, contact information, or disclaimers required by their employer, for example.

Signature files used on rec.radio.amateur.moderated posting must be no longer than 8 lines.

The content of a poster's signature need not be relevant to amateur radio, but it must not violate any of the other posting guidelines. (For example, name-calling that would not be acceptable in the body of a message is also unacceptable in a signature.) Posters may include Uniform Resource Locators (URL's) and business addresses in signature files, provided they comply with all the other guidelines regarding signatures.

2.4 Guidelines on excessive quoting

Posts more than 20 lines long that also have more than 75% quoted text will be carefully reviewed by a moderator to determine if that degree of quoting is warranted. Posts with excessive quoted text may be rejected.

Posters must show a reasonable effort to trim the post they are replying to and to include just enough material to establish context. "Me too!" posts are discouraged, and, when posted, must edit the quoted material significantly.

2.5 Guidelines on pointers to outside sources

Unsolicited announcements and pointers to web sites that are strictly advertisements or other public relations campaigns are not permitted. However, a pointer to a website or other external source of information

is permitted and encouraged in cases where it is relevant to an existing thread, with appropriate context being given in the post. A URL with no information about what a user should expect to find there will be rejected. A pointer to information that is off-charter for rec.radio.amateur.moderated will be rejected, as will a pointer which itself does not meet the rec.radio.amateur.moderated guidelines (such as a URL containing embedded name-calling).

Moderators are not responsible for verifying the contents of any external information source.

2.6 Guidelines regarding questioning someone's suitability hold an amateur radio license

Identifiable groups and individuals may not be asked/told/etc. not to obtain an amateur radio license, or to only obtain certain classes of amateur radio license. It is not permissible to make statements that a person or members of a specific group "should" not, or should not be allowed to, become an amateur radio operator.

Solicited advice of this type is permissible; however, posters must be careful not to explicitly generalize to others who are in some way "like" the poster asking the question. Stick to the individual asking for advice.

It is acceptable to discuss verified violations, documented in criminal convictions or other government enforcement actions, by a person or members of a specific group.

2.7 Guidelines regarding name-calling

Nastiness addressed at a person is considered name-calling. Criticizing a person's *actions* is not, provided that it is done in a civil manner.

Attacks on an action which by their very nature include an accusation against the person's character are not acceptable. For example, "That's a lie" implies an intentional prevarication, and is considered name-calling. Acceptable ways of questioning the truth of a poster's statement include the more tactful "I don't think that's true," "I believe you are mistaken because..." or even simply "That's not true." "That's not true and you know it" crosses back over into name-calling, however.

2.8 Guidelines regarding civility

By charter, posters are expected to maintain a civil tone in all their postings. The guidelines on name-calling cover part of that requirement, but not all of it.

In general, posters are expected to consider the reputations of other participants, and refrain from making unnecessary accusations or assumptions about the motivations of others. A good rule of thumb is to phrase your comments as your opinion -- "I think..." "It seems to me that..." "This makes me wonder whether..." etc...

Posters are expected to make factual claims, to debate topics openly and in good faith, and to accept honest criticism, all without provocation or prevarication. At least one professional organization, the Institute of Electrical and Electronics Engineers (IEEE), has recognized that such fair dealings are necessary components of ethical conduct, and has incorporated them into its Code of Ethics:

http://www.ieee.org/about/corporate/governance/p7-8.html

Though the Amateur Radio Service is not a professional endeavor, the moderators strongly feel that the IEEE Code of Ethics is also a worthwhile set of guiding principles for participants in the rec.radio.amateur.moderated newsgroup.

Posters are not required to support the American Radio Relay League (ARRL). However, they are expected to adhere to the spirit of the other parts of the ARRL's "Amateur's Code":

http://web.archive.org/web/20100131043828/http://www.arrl.org/acode.html

2.9 Guidelines regarding anonymity and pseudonyms |

Contributors to rec.radio.amateur.moderated are encouraged to use their | real names and/or amateur radio callsigns. This not only creates a | greater sense of community in the newsgroup, it also lends credibility | to posters' opinions. However, as a pragmatic concession to the | realities of the present-day Internet, and consistent with the practices | of other moderated newsgroups, pseudonyms and unroutable E-mail address | are permitted with some restrictions. |

We ask that the From: lines of submitted articles not misrepresent your | identity, not be changed often, and not match a user or domain name | other than your own (spoofing). Please also realize that if you use an | unroutable E-mail address, you will not be able to receive | acknowledgment or rejection messages for your submitted articles. |

2.10 Other unacceptable topics |

Participants are reminded that the charter also prohibits posts promoting or defending unlawful operating practices.

Posts may discuss whether operating practices are unlawful, or engage in reasoned debate over why certain operating practices should or should not be unlawful. Posts may discuss enforcement actions, such as by the Federal Communications Commission in the United States or similar government agencies in other countries, and evidence gathered by parties such as Official Observers in support of complaints about unlawful operation.

Discussions of what practices constitute unlawful operation in the Amateur Radio Service should be limited to *factual* descriptions of the laws in various jurisdictions. Posters' *opinions* as to what practices they consider unlawful are not permitted. In particular, posters are cautioned not to extrapolate their country's laws and regulations to those in other parts of the world, as they may be quite different.

Posts that entirely concern themselves with other radio services or hobbies, such as Citizen's Band, General Mobile Radio Service/Family Radio Service, and Scanner or Shortwave Listening, are considered off-topic to the rec.radio.amateur.moderated newsgroup. Newsgroups such as rec.radio.cb, rec.radio.scanner, and/or rec.radio.shortwave may be more appropriate venues for such posts.

Posts that attempt to publicly criticize moderators or moderation decisions in the newsgroup itself are also not permitted, as stated in our original newsgroup charter. Please direct any such critical feedback to our administrative contact address at the bottom of this article, where it will be carefully considered by an appeals team of moderators. This team is distinct from the initial team of moderators that approves or disapproves article submissions, and thus can provide independent oversight of moderation decisions.

Similarly, if you see an obviously inappropriate article in our newsgroup, please assume that it was a mistake or a direct forgery. The moderation team makes every effort to protect the newsgroup from such incidents, but they do happen, albeit rarely. You may also submit feedback to the same address regarding such articles in our newsgroup, but it is likely that our monitoring software and procedures have already detected it, and we are actively handling the problem. Please resist "piling on" with followups to the newsgroup when these incidents occur, so that we don't have to reject such articles.

Due to Usenet newsgroup access being eliminated at many ISP's, including MSN, AOL, RoadRunner, Time Warner, Verizon, Comcast, and Cox, we receive many article submissions asking about free or low-cost alternatives for accessing Usenet newsgroups such as ours. We initially permitted this topic in light of the significant impact to many of our readers due to this loss of access through their ISP's. However, this subject is arguably off-topic for our newsgroup, is better answered by other sources, and better discussed in other venues. Because of this, we will no longer approve submissions that request or suggest where to obtain access to Usenet newsgroups. For more information about this topic, please consult the following:

- The last approved thread of discussion about this topic on our newsgroup from October 2008:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/19770b88ec527aff/8dcee92de293f615?hl=en#8dcee92de293f615

- A list of News Service Providers maintained by the Big-8 Management Board:

http://www.big-8.org/wiki/News_Service_Providers |

- A list of Public News Servers at the Open Directory Project:

http://www.dmoz.org/Computers/Usenet/Public_News_Servers/

- An article with links and reader suggestions at Broadband Reports:

http://www.broadbandreports.com/shownews/96318

- Google Groups:

http://groups.google.com

The rec.radio.amateur.moderated Moderation Team does not endorse or recommend any particular News Service Provider (NSP). We encourage our readers to choose the free or subscription service that best meets their own personal needs based on their own evaluation of the available alternatives.

Please direct any comments, questions, or criticisms about this article to rec-radio-amateur-moderated-request@panix.com.

(Adapted, with permission, from the misc.kids.moderated Posting Guidelines.)

181. FCC Daily Digest 05/16/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-16 15:50:56 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527803-2013.05.16-11.12.21--rec-radio-info#panix.com@info.fcc.gov>
Source record: 191
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)
Daily Digest

Vol. 32 No. 94 May 16, 201
3

[...]

Report No: 47990 Released: 05/16/2013. BROADCAST ACTIONS. MB http://hra
unfoss.fcc.gov/edocs_public/attachmatch/DOC-320960A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-320960A2.txt

[...]

Report No: 27990 Released: 05/16/2013. BROADCAST APPLICATIONS. MB http:
//hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-320959A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-320959A2.txt

[...]

182. The ARRL Letter for May 16, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-16 19:59:37 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130516190729.5BA2E26D329@bmail.arrl.org>
Source record: 192
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

May 16, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + FCC Enforcement: FCC Fines Pennsylvania Man $18,000 for Failing to
Allow Inspection of CB Station
- + Amateur Radio in the Classroom: Meet MAREA -- the Mars Lander
Amateur Radio Robotics Exploration Activity
- + Check Out the June Issue of QST
- + LoTW: ARRL Announces New Version of LoTW Software
- + Ward Silver, N0AX, Elected President of Yasme Foundation
- ARRL E-mail System Continuing to Experience Delays
- Solar Update
- + ARRL HQ to Close in Observance of Memorial Day
- + DXCC News: 1984 Operation to Cocos Island Now Approved for DXCC
Credit
- Silent Key: Mark Dabish, K8MD (SK)
- This Week in Radiosport

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

==> + FCC ENFORCEMENT: FCC FINES PENNSYLVANIA MAN $18,000 FOR FAILING
TO ALLOW INSPECTION OF CB STATION

The FCC issued a Notice of Apparent Liability for Forfeiture and Order
on May 14 in the amount of $18,000 to Nathaniel Johnson of Pittsburgh,
Pennsylvania for failing to make his Citizens Band (CB) station
available for inspection by the FCC and for failing to comply with the
restricted hours of CB station operation.

The base forfeiture amount for failure to allow inspection of radio
equipment -- including a CB station -- is $7000. The FCC raised the
forfeiture amount by $4000, as the nature of the violation is similar
to failing to respond to a Commission communication. The FCC also found
that Johnson's failure to permit a lawful inspection of his CB station
-- after multiple notices directing him to do so -- justified a $7000
```

upward adjustment of the base amount for this violation, bringing the total amount to $18,000.

The FCC noted that misconduct such as Johnson's "is serious, exhibits contempt for the Commission's authority, and threatens to compromise the Commission's ability to fully investigate violations of its rules. As such, we caution Mr Johnson that a failure to schedule an inspection as directed in this NAL may result in the imposition of additional (and potentially higher) forfeitures, as well as other enforcement actions, as appropriate, including the seizure of his equipment. Read more <http://www.arrl.org/news/fcc-fines-pennsylvania-man-18-000-for-failing-to-allow-inspection-of-cb-station>.

==> + AMATEUR RADIO IN THE CLASSROOM: MEET MAREA -- THE MARS LANDER AMATEUR RADIO ROBOTICS EXPLORATION ACTIVITY

Students can experience the same thrills as NASA scientists and engineers through a simulation that they conduct in their own classrooms. The Mars Lander Amateur Radio Robotics Exploration Activity (MAREA) is a robotic activity using ham radio. This affordable, powerful learning activity involves the same basic knowledge and skills that the professionals need to pilot the Curiosity robot as it collects and analyzes Martian soil samples and relays the results of these distant experiments back to Earth. MAREA is hands-on learning that integrates Science, Technology Engineering and Mathematics (STEM).

MAREA uses robotic movement commands that are attached in the text portion of an Automatic Position Reporting System (APRS) packet transmission. The APRS packet with the attached commands is sent from a "mission control" school via the terrestrial APRS network or, when possible, even via the Amateur Radio station on the passing International Space Station, to a "ground station" school. At the ground station school the command packet is received and the command data is linked by UHF radio to the "Mars" robot for execution. Read more <http://www.arrl.org/marea-ham-radio-robotics>.

==> + CHECK OUT THE JUNE ISSUE OF QST

The June issue of QST -- our annual Field Day issue -- explores the fun and excitement of Amateur Radio's most popular operating event. So grab your print edition of QST -- or settle in with your computer or tablet to read the digital version <http://www.nxtbook.com/nxtbooks/arrl/qst_201306/index.php> -- and discover what the June issue has to offer.

Bill Wortman, N6MW, knows that it can sometimes be difficult to achieve the desired 1:1 SWR between antennas and coax feed line. In his article "The Hairpin Match," he discusses how to match low impedance antennas to higher impedance feed lines with a simple impedance transforming method. Robert Wilson, NT0A, found that he was getting electromagnetic interference and radio frequency interference from unknown sources. Find out how diligent analysis -- including unplugging everything in

the house -- revealed the culprit in "The Great RFI Hunt." Being able to monitor a battery in use during operation or while charging can be useful to make sure everything is working as it should. In his article "A Battery Monitor for 12 V Systems," Mert Nellis, W0UFO, presents a do-it-yourself project that lets you keep track of the status of storage batteries during Field Day.

Last year, ARRL Eastern Pennsylvania Section Manager Bob Famiglio, K3RF, took to the air in a single-engine plane for Field Day -- and he plans to do it again this year! Read about Famiglio's adventure in "Field Day Flyover" by Bob Wilson, W3BIG. There are many ways to accrue points during Field Day. One way is to operate with fewer than 5 W, or QRP. In their article "Bagging the Field Day QRP Multiplier," Carey Fuller, KX0R, and Fred Maas, KT5X, explain that even though power is limited, the fun is not. Many of today's hams were first introduced to Amateur Radio when they were Boy Scouts. Today, through the BSA's National Jamboree and through Jamboree-on-the-Air (JOTA), thousands of young people all over the world find their voice on the air. BSA Director of Communication Services Jim Wilson, K5ND, invites readers to join Scouts on the air in his article "Jammin' and Hammin' with the Scouts."

ARRL Membership and Volunteer Programs Assistant Manager Norm Fusaro, W3IZ, takes a look at the ACOM 1500 HF and 6 meter linear amplifier in this month's Product Review. He says this amplifier "delivers legal limit power on 160 through 6 meters and is quiet and easy to tune. The compact package will fit in most operating spaces." QST Contributing Editor Phil Salas, AD5X, checked out the Elecraft KAT500 automatic antenna tuner, saying that it "provides wide range automatic matching as well as a three-port antenna switch. It also works well with any transceiver and amplifier combination that doesn't exceed its specified power capability." QST Contributing Editor H. Ward Silver, N0AX, took the Array Solutions AS-419 switched band-pass filters for a test drive. He said that this accessory "offers a one-box solution to interstation interference in a multitransmitter station. Filters can be selected manually, or with a little work the Bandpasser can be controlled from the transceiver or station automation hardware." You can find a video overview of the ACOM 1500 HF and 6 meter linear amplifier <http://www.nxtbook.com/nxtbooks/arrl/qst_201306/index.php#/58>, the Elecraft KAT500 automatic antenna tuner <http://www.nxtbook.com/nxtbooks/arrl/qst_201306/index.php#/60> and the Array Solutions AS-419 switched band-pass filters <http://www.nxtbook.com/nxtbooks/arrl/qst_201306/index.php#/62> in the digital edition of the June issue of QST.

Of course, there are the usual columns you know and have come to expect in the June issue of QST: Happenings, Hints & Kinks, Amateur Radio World, The Doctor is In, Hands-On Radio, Short Takes, Vintage Radio, How's DX? and more. Look for your June issue in your mailbox and in your inbox. QST is the official journal of the ARRL, the national association for Amateur Radio. QST is just one of the many benefits of

ARRL membership. Click here
<https://www.arrl.org/join-arrl-renew-membership/> to join or to renew
your ARRL membership.

==> + LOTW: ARRL ANNOUNCES NEW VERSION OF LOTW SOFTWARE

After much testing, the ARRL will release a new version of Trusted QSL,
the open-source development project responsible for developing and
maintaining the three Logbook of the World (LoTW
<http://www.arrl.org/logbook-of-the-world>) client-side applications:
TQSL, TQSLCert and the TrustedQSL library. After six weeks of public
beta testing, version 1.14 is ready for official release and will be
available for download from the ARRL website beginning Monday, May 20.

In December 2012, Dave Bernstein, AA6YQ, and Rick Murphy, K1MU,
recruited a group of volunteer software developers
<http://www.arrl.org/news/logbook-of-the-world-web-page-now-features-daily-an
d-hourly-status-updates>
to contribute to this project. After considering input from ARRL
management and the ARRL's LoTW user support group in the League's
Membership and Volunteer Services Department, as well as the ARRL-LoTW
e-mail discussion group on Yahoo! Groups, the volunteer development
group put forward a set of priorities that would be addressed by a
sequence of incremental software releases.

A small group of testers began exercising version 1.14 in March 2013;
this testing exposed several defects, all of which have been corrected.
Testing then progressed to an open beta test period that allowed
interested parties to download, install and try out this newest version
of Trusted QSL.

The initial release in this sequence -- version 1.14 -- includes these
new features:

- Log files can be signed and uploaded over the internet to LoTW in one
operation.
- Errors in Station Locations are reported (for example, incorrect CQ
and ITU zones).
- QSOs that need not be re-submitted ("duplicates") are brought to the
user's attention.
- Error reporting has been improved.
- Installation on Windows has been improved.
- Users are notified when a new version becomes available.
- Documentation has been improved.

Upgrading to version 1.14 is not mandatory, but is encouraged. Users
who choose not to upgrade will not be able to access the new features
in version 1.14, but they will still be able to upload logs into the
LoTW system.

==> + WARD SILVER, N0AX, ELECTED PRESIDENT OF YASME FOUNDATION

At its annual meeting last month, the Yasme Foundation's Board of Directors elected Ward Silver, N0AX, as its new President. Silver will replace Wayne Mills, N7NG, who has resigned. Mills, one of the founders of DX University, was named as the new DX editor of CQ magazine earlier this year. In recognition of Mills' many years of service to the Yasme Foundation and DX University, the Yasme Board of Directors made a contribution to DX University in support of the goals shared by the two organizations. Read more <http://www.arrl.org/news/ward-silver-n0ax-elected-president-of-yasme-foundation>.

==> ARRL E-MAIL SYSTEM CONTINUING TO EXPERIENCE DELAYS

The ARRL's e-mail service provider is continuing to experience technical issues that are affecting timely delivery of e-mail messages sent via the arrl.net forwarding service, as well as e-mail sent to addresses in the arrl.org domain. This issue remains intermittent, but may result in delaying the delivery of some messages sent to both arrl.net and arrl.org addresses by hours. The ARRL's e-mail provider is working to resolve the issue as quickly as possible. We apologize for the inconvenience.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Since we are now at (or close to) the peak of Solar Cycle 24, it is no surprise that the solar indices are up. The latest forecast predicts Solar Cycle 24 to peak in this fall, but that will be determined after the fact, and it will be based on a long running average of sunspot numbers. This past week, the average daily sunspot numbers increased by more than 34 points, rising to 156.1, while the average daily solar flux was up by nearly 3 points to 140.1. On May 15, the daily sunspot number was 186 -- the highest number since January 6-7, when the sunspot number was 186 and 196, respectively. The predicted solar flux for the near term is 145 on May 16-18, 140 on May 19, 135 on May 20-21, then 125, 140, 155, 160 and 170 on May 22-26, 160 on May 27-28, 155 on May 29-30, 150 and 155 on May 31-June 1, and rising to 160 on June 2-3. The predicted planetary A index is 8, 15 and 8 on May 16-18, 5 on May 19-20, 8 on May 21, 15 on May 22-23, 5 on May 24-27, 15 and 10 on May 28-29, 5 on May 30-June 8, and back up to 8 on June 9. Look for more information on the ARRL website on Friday, May 17. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL HQ TO CLOSE IN OBSERVANCE OF MEMORIAL DAY

ARRL Headquarters will be closed Monday, May 27 in observance of the Memorial Day holiday. There will be no W1AW code practice or bulletin transmissions <http://www.arrl.org/w1aw-operating-schedule> that day. ARRL Headquarters will reopen Tuesday, May 28 at 8 AM (EDT). We wish everyone a safe and enjoyable holiday weekend!

==> + DXCC NEWS: 1984 OPERATION TO COCOS ISLAND NOW APPROVED FOR DXCC CREDIT

The February 1984 operation to TI9CCC (Cocos Island) has now been approved for DXCC credit. In the past, radio amateurs who have submitted this operation on a DXCC application had it rejected due to an "incorrect date period." According to DXCC Manager Bill Moore, NC1L, the date issue has now been resolved: "If you had this operation rejected, and your confirmation falls within February 15-28, 1984, please send an e-mail <bmoore@arrl.org> so you can be placed on the list for an update to your record."

==> SILENT KEY: MARK DABISH, K8MD (SK)

Prominent VHF/UHF/microwave enthusiast Mark Dabish, K8MD, of Howell, Michigan, passed away unexpectedly on May 8. He was 66. An ARRL member, Dabish represented the Great Lakes Division on the League's VHF/UHF Advisory Committee and was a strong presence in VHF/UHF contests. A service was held May 11 in Southfield, Michigan.

==> THIS WEEK IN RADIOSPORT

This week:

- May 18 -- Portuguese Navy Day Contest (Digital); Feld Hell Sprint
- May 18-19 -- His Majesty King of Spain Contest (CW); Baltic Contest; EU PSK DX Contest; Worldwide EME Contest
- May 20 -- Run for the Bacon QRP Contest
- May 22 -- SKCC Sprint
- May 22-23 -- CWops Mini-CWT Test

Next week:

- May 24 -- NCCC Sprint Ladder
- May 25 -- Portuguese Navy Day Contest (Digital); QRP ARCI Hootowl Sprint (local time)
- May 25-26 -- CQ WW WPX Contest (CW)
- May 26 -- SARL Digital Contest
- May 27-28 -- Michigan QRP Memorial Day CW Sprint

All dates, unless otherwise stated, are UTC. See the ARRL Contest Branch page <http://www.arrl.org/contests>, the ARRL Contest Update <http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest Calendar <http://www.hornucopia.com/contestcal/index.html> for more information. Looking for a Special Event station? Be sure to check out the ARRL Special Event Stations web page <http://www.arrl.org/special-event-stations>.

Upcoming ARRL Section, State and Division Conventions and Events

- May 17-19 -- Dayton Hamvention <http://www.arrl.org/hamfests/dayton-hamvention-4>, Trotwood, Ohio
- June 1 -- ARRL Georgia State Convention <http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>, Marietta, Georgia

- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas
- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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Join or Renew Today! <http://www.arrl.org/join> ARRL membership includes QST <http://www.arrl.org/qst>, Amateur Radio's most popular and informative journal, delivered to your mailbox each month.

Subscribe to NCJ -- the National Contest Journal <http://www.arrl.org/ncj>. Published bi-monthly, features articles by top contesters, letters, hints, statistics, scores, NA Sprint and QSO Parties.

Subscribe to QEX -- A Forum for Communications Experimenters <http://www.arrl.org/qex>. Published bi-monthly, features technical articles, construction projects, columns and other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members: Subscribe <http://www.arrl.org/myarrl-account-management#!/edit-info-email_subscriptions>
to the ARES E-Letter (monthly public service and emergency communications news), the ARRL Contest Update (bi-weekly contest newsletter), Division and Section news alerts -- and much more!

Find us on Facebook <http://www.facebook.com/ARRL.org>. Follow us on Twitter <http://twitter.com/arrl>.

ARRL offers a wide array of products <http://www.arrl.org/arrl-store> to enhance your enjoyment of Amateur Radio.

Donate <https://www.arrl.org/arrl-donation-form> to the fund of your choice -- support programs not funded by member dues!

Click here <ads@arrl.org> to advertise in this newsletter (subject to space availability).

The ARRL Letter is published Thursdays, 50 times each year. ARRL members may subscribe at no cost or unsubscribe by editing their Member Data Page as described at http://www.arrl.org/arrlletter/.

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<http://www.arrl.org/>

183. Re: The ARRL Letter for May 16, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-17 01:12:57 UTC
From: Steve Bonine <spb@pobox.com>
Message-ID: <kn3vv9$ph0$1@dont-email.me>
Source record: 193

On 5/16/13 2:59 PM, ARRL Web site wrote:

> ==> + DXCC NEWS: 1984 OPERATION TO COCOS ISLAND NOW APPROVED FOR DXCC
> CREDIT
>
> The February 1984 operation to TI9CCC (Cocos Island) has now been
> approved for DXCC credit. In the past, radio amateurs who have
> submitted this operation on a DXCC application had it rejected due to
> an "incorrect date period." According to DXCC Manager Bill Moore, NC1L,
> the date issue has now been resolved: "If you had this operation
> rejected, and your confirmation falls within February 15-28, 1984,
> please send an e-mail <bmoore@arrl.org> so you can be placed on the
> list for an update to your record."

It took 29 years to resolve this? There must be a story here. Anyone
know what it is?

73, Steve KB9X

184. Amateur Radio Newsline(tm) Report 1866 - May 17 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-17 13:35:15 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130517090002.CE99333C9F@panix2.panix.com>
Source record: 194
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1866 - May 17 2013

Amateur Radio Newsline report number 1866 with a release date of May 17 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. Hamvention 2013 is here; D-Star and kids become an important part of Hamvention; Russian Radar invades 80 meters; a California ham seeks signatures for petition on public warning legislation; the Hurricane Watch Net says it could use more Net Control Stations; registrations for International Lighthouse and Lightship Weekend ramp up and the tale of some newly developed self healing integrated circuit chips. All this and more on Amateur Radio Newsline(tm) report number 1866 coming your way right now.

(Billboard Cart Here)

**

HAMVENTION 2013: THE GATES SWING OPEN AND HAMVENTION BEGINS

Its Hamvention time in Dayton, Ohio. This as the gates at the HARA Arena swing open for this years show of shows in amateur radio. And in an interview with Rain's Hap Holly, KC9RP, Hamvention spokesman Dave Kalter, W8CI, there's a lot to look forward to including some spectacular prizes:

--

Kalter: "Our prize committee has been really busy. They want to out-do what they did last year. Last year we had over $80,000 in prizes and this year we want to surpass that."

--

But while prizes are an important aspect of Hamvention, so are other activities with the many forums being front and center:

--

Kalter: "We get a lot of questions about forums and how important forums are to amateur radio. And a lot of people love to mix their day And sit down, watch a forum and learn something. All that information can be found at our website at www.hamvention.org."

--

As this year's theme is the DX Hamvention, there are a lot of visitors from outside the United States.

--

Kalter: "We have people coming literally from all over the world. A large contingent is coming in from China this year. We had large group from India last year. And of coarse Qatar and all throughout the middle-East, Europe; a very strong (presence) from South America and throughout Africa. And that's the big thing about amateur radio: When you see people with a call that you know is a foreign call -most of these people I find are just absolutely delighted to get to know you and (have you) talk to them face to face."

--

According to Kalter, its not easy for some foreign visitor to get to the Hamvention, but planners are always ready to assist:

--

Kalter: "People come from a lot of countries for which they need an actual written. The city of Dayton; the city of Trotwood; the counties around have all joined in to help us to make amateur radio operators from all over the world feel welcome. Sometimes as many as four letters to one person (are needed) just so they can get their visa."

--

And says Kalter, the Hamvention would not be possible without the volunteers who make it happen.

--

Kalter: "This is an all volunteer undertaking. From the General Chairman all the way through. We do contract for some emergency services; for bus services; we lease out the Hara Arena but as far as the nitty-gritty work and the planning, all of that is done by volunteers."

--

Kalter adds that not all of the volunteers live in the Dayton area:

--

Kalter: "We are really pound of our amateur radio community here. We are also proud of the fact that there are amateur radio operators that come from all over the United States and other parts of the world just to help volunteer for this great event."

--

By the way, if you are in Dayton for Hamvention 2013 and find yourself in need of any kind of assistance, simply dial your 2 meter mobile or handheld to the repeater pair of 146.34 in and 146.94 out. That's the official repeater for Hamvention. Its call is W8BI and no PL tone is required.

OK. Its time for our reporters in Dayton to grab their audio recorders and go to work. You will hear their reports on Hamvention 2013 beginning next week.

(ARNewsline with audio supplied by RAIN)

**

HAMVENTION 2013: KIDS AND D-STAR MIX AT HAMVENTION 2013

Kids and D-Star were to be part of Hamvention 2013's activities. This as the Texas Interconnect Team announces that for the Hamvention weekend, reflector REF033B will officially be the Dayton Kids Reflector.

Megan McClellan, K5MEM, will spearhead the project from the ARRL Youth Booth starting Friday morning and continuing during show hours on Saturday and Sunday. The objective is to give the future young hams an opportunity to experience the fun and excitement of talking with someone far-away place using the magic of Amateur Radio. The participants in the Youth area will have access to handheld radios and a DV-AP, and will operate under the supervision of an experienced Control Operator.

Even if you not at this years Hamvention you can assist in this effort by connecting using D-Star to Reflector REF033B during event hours Friday, Saturday, and Sunday. If nobody is talking, give them a call. Remember, for any QSO to begin it takes someone calling the first CQ. (N9JA, others)

**

HAMVENTION 2013: UPDATED AMSAT LVB TRACKER SHOWN AT DAYTON

One product at Dayton that likely won't make headline reviews but which is certain to be of interest to satellite enthusiasts is a new version of AMSAT G6LVB Tracker. The new unit replaces the original amber only LCD display with an O-LED or Organic Light Emitting Diode display will be available in blue, green and amber. The new display offers a high visibility contrast with a wide angle of view. More information and a photo showing the old and new displays can be found on-line at amsat.org. (ANS)

**

INTRUDER WATCH: RUSSIAN RADAR ON 75 - 80 METERS

In other news, the latest IARU Monitoring System Newsletter reports the Russian Over The Horizon Radar that has invaded the 3.5 MHz band is still very active. The interfering Radar system is believed to be located in the area of Makhachkala, on the Caspian Sea and transmits simultaneously between 3.515 to 3.545 and 3.560 to 3.590 MHz. As a result, amateur radio and other services are suffering interference during the evening hours. The German and Dutch telecommunications regulators have been informed and have been asked to intercede.

(IARUMS)

**

HURRICANE WATCH NET SEEKS NEW MEMBERS FOR NET CONTROL STATIONS

The ARRL Letter says that with the 2013 hurricane season approaching, the National Hurricane Center in Miami, Florida, and the Hurricane Watch Net are gearing up for what could be a very active storm season. And in preparation for what Mother Nature might have in store the Hurricane Watch Net is seeking new members who can serve as net control stations.

For those not aware, the Hurricane Watch Net provides on-the-ground, real-time weather data from amateur radio operators who volunteer their time to monitor their own properly calibrated home weather stations. The hams then report the data collected to the Hurricane Watch Net, which in turn forwards it to WX4NHC which is the amateur radio station at the National Hurricane Center.

For more information on the role played by hams in this vital, life saving service, and how you can become a part of it, take your web browser to tinyurl.com/hurricane-net-2013. (ARRL)

**

STORY CORRECTION: PROPER SOURCE CREDIT ON DARC AND UBA SUPPORT AMATEUR RADIO IN TUNISIA STORY

And before we go any further, a correction to the source credit in last weeks newscast concerning the story about Germany's DARC and Belgium's UBA supporting amateur radio in Tunisia. In the print edition we gave the source credit to an organization called A-R-A-T. Well it turns out that the groups actual name is ASTRA which stands for Association Tunisienne des Radio Amateurs that translated into English is the Association of Tunisian Radio Amateurs. How the credit which was only seen in the print edition got typo'ed remains a bit of a mystery, but we are sincerely grateful to our listeners and readers across Europe and in Tunisia for bringing this discrepancy to our attention. (ARNewsline)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the W8BI repeater of the Dayton Amateur Radio Association serving the Hamvention City of Dayton, Ohio.

(5 sec pause here)

**

RESCUE RADIO: W6TIA SEEKS SIGNATURES ON PUBLIC WARNING LEGISLATION PETITION

Richard Rudman, W6TIA, who is a core member of the Broadcast Warning Working Group, has posted an online petition urging Congress and the Executive Branch of government to enact legislation for a national public warning strategy. This so emergency public information is always coordinated with other emergency response measures.

In the petition Rudman and the Broadcast Warning Working Group advocate that Emergency Public Information be treated as a true response resource within the culture of emergency management professionals and to be legislated by Congress. And in an interview with Amateur Radio Newsline, W6TIA, explained the importance of getting the government to pay attention to this special need:

--

Rudman: "The petition was started because we feel that two pieces of legislation that died in the last session (of Congress) should be brought back and strengthened, so that for one thing there is a unified strategy for emergency management and tying it to emergency public information including warnings."

--

The legislation referred to by W6TIA was based on the Partnership for Public Warning report titled "A National Strategy for Integrated Public Warning and Capability." He noted that this was reinforced with language from the previous legislative attempts and feels this proposal can finally give real, wide-ranging value and meaning to FEMA's Common Alerting Protocol warning tool called the Integrated Public Alert and Warning System.

Rudman tells Newsline that he hopes to collect between 100 and 200 signatures. He then plans to present them to what he terms as key people in Congress who supported past attempts at such legislation in the hope of getting them to introduce them again, and get them passed. W6TIA has about 75 signatures so far. You can read and sign the petition at tinyurl.com/true-response-resource or tinyurl.com/epi-strategy. (RW, ARNewsline)

**

RESCUE RADIO: EMCOMM HAM RADIO REPEATER EVICTED BY AMERICAN TOWER

A decision by American Tower Corporation to evict an amateur radio emergency communications system from a tower the company recently acquired in New Mexico has both the sponsoring radio club and many of the people working in local emergency services very concerned. Amateur Radio Newsline's Norm Seeley, KI7UP, reports:

--

The repeater in question is located on Buck Mountain overlooking the community of Ruidoso. New Mexico, and is operated by the Sierra Blanca Amateur Radio Club. The equipment was installed on the tower in 2004 and except for when the tower suffered some damage three or four years ago the repeater has been used continuously for emergencies such as the Little Bear Fire in June 2012, and in the Rio Ruidoso flood of July 2008.

Tony Davis is the president of White Mountain Search and Rescue. He said that he learned late Wednesday May 8th that the tower holding the amateur radio repeater that is owned and maintained by Rick Sohl, K5RIC, had been sold to American Tower Corporation. Despite attempts by Sohl to negotiate an arrangement, American Tower has decided to terminate amateur radio use of the facility, effective immediately. Davis said that there are other towers near the same location, but they are largely occupied.

Ruidoso Acting Fire Chief Harlan Vincent also serves as the village emergency services manager. He says that he is not happy about the decision of the Boston-based American Tower company. He noted that Ruidoso relies heavily on heavily on ham operators in time of emergency. He said that when emergency service repeaters go down, the ham radio repeaters are still functioning and able to get information from point A to point B.

According to the Ruidoso News article reporting the repeaters eviction, this system is used by amateur operators not just in Lincoln County. It also provides coverage into Otero, Chaves and Eddy County, and as far away as the Panhandle of Texas and into the city of El Paso.

Davis and Doug Thompson, W5DET, who is president of the Sierra Blanca Amateur Radio Club, have sent an "open letter" for publication in the Ruidoso News to the chairman, president and chief executive officer of American Tower Corporation. It asks him to reconsider the company's stance.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

--

More on this story can be found on-line at tinyurl.com/repeater-evicted. (Ruidoso News, Southgate)

**

ENFORCEMENT: FCC UPHOLDS $15000 FINE AGAINST UNLICENSED OREGON BROADCASTER

The FCC has upheld a $15,000 fine against an Oregon resident for allegedly operating an unlicensed radio station.

Following up on a complaint from a local broadcaster in 2011, the Portland office of the Enforcement Bureau traced the signal on 97.9 MHz in Prineville, Ore. to the residence of Joshua McMurchie's. A police

officer accompanied the FCC agent to the address where the FCC agent inspected the station and issued McMurchie a Notice of Unlicensed Operation.

Following another complaint in 2012, an agent again T-hunted the source of the signal to McMurchie's residence and found a transmitter there. The commission said that McMurchie admitted operating the station and offered to surrender the transmitter.

Last July, FCC issued McMurchie a Notice of Apparent Liability in the amount of $15000 raising by $500 it from the base amount of $10,000 because the unlicensed transmissions continued even after McMurchie was ordered to cease operation.

But in its May 9th release the FCC says that McMurchie never answered the original Notice of Apparent Liability. Based on that and the evidence before it the agency has now issued a Forfeiture Order for $15,000 giving him 30 days to pay or the case may be referred to the Justice Department for collection. (FCC)

**

RADIO BUSINESS: PUBLISHER SOUGHT FOR VHF COMMUNICATIONS MAGAZINE

A small but popular magazine targeted at those who operate 50 MHz and above is on the block. This as Andy Barter, G8ATD, announces his intention to retire from publishing the currently U-K based VHF Communications Magazine

According to Barter, he has published VHF Communications Magazine for the past 13 years and now wants to retire. He says that he will publish all 4 issues in 2013 but if anyone in the group would like to take over publication of the magazine from 2014 on and give it a new lease of life please contact him.

Barter says that the job of publisher involves translating articles from the German magazine UKW Berichte plus finding additional articles to fill the VHF Communications. In addition there is the work of producing the magazine, getting it printed and distributed, handling subscriptions plus orders for back issues and the like.

The current circulation of the magazine is 349 with just 80 of those from the UK. If this interests you, please contact G8ATD by e-mail to andy (at) vhfcomm (dot) co (dot) uk. (Southgate)

**

ARRL CENTENNIAL CELEBRATION: ARRL PUBLIC RELATIONS COMMITTEE SPONSORING "I AM THE ARRL" VIDEO CONTEST

As part of the ARRL's Centennial Celebration in 2014, the League's Public Relations Committee is sponsoring an "I am the ARRL" video contest. The Committee is looking for pairs of short video clips featuring ARRL members. One clip should show the radio amateur on the

radio, while the other should show the same ham in his or her work setting saying who they are, that they like ham radio and that they are the ARRL.

As explained by ARRL Public Relations Manager Allen Pitts, W1AGP, an example might be a car mechanic in coveralls working over an engine who looks at the camera and says 'I am Henry Smith, N0XCC. I like to talk to people in exotic countries and I am the ARRL.' This clip would then be paired with a shot of him at home talking on the radio.

Pitts says that the ARRL is looking for videos that communicate that you are that guy or gal down the street and you are an important part of the ARRL. W1AGP adds that with Field Day coming up next month, there is a great opportunity for filming clips.

If this project interests you can find out more is on-line at tinyurl.com/arrl-second-century-video. (ARRL)

**

SOCIAL SCENE: AMSAT ANNOUNCES DATE AND LOCATION OF 2013 SPACE SYMPOSIUM

And if you are an amateur radio space enthusiast the mark down November 1st to the 3rd as the dates for this years AMSAT Space Symposium. The venue will be the Marriott Hobby Airport Hotel not far from the grounds of the grounds of NASA's Johnson Spaceflight Center in Houston, Texas, which is the home of the famed ham radio station W5RRR.

The AMSAT Annual Meeting will be held in conjunction with the Space Symposium. This will provide you with an opportunity to hear about AMSAT's plans for the future and voice your own thoughts and opinions to organization's Board of Director members and other officials.

Over the coming months both the AMSAT Journal and AMSAT News Service will be issuing timely updates on plans for this years Space Symposium. More information will also be available on-line at www.amsat.org. (ANS)

**

HAM HAPPENINGS: OLE VIRGINIA HAMFEST JUNE 9

On the social scene, word that the Ole Virginia Amateur Radio Club will be holding its 39th Hamfest in Manassas Virginia on June 9th, and you are invited to be a part of the festivities.

This year in partnership with the 4 H, the club the gathering will be hosting a Youth Lounge to provide teen and preteen youth complete with on the air ham radio demonstrations. There will also be a number of educational events to foster amateur radio awareness among the younger members of the community.

Andrea Hartlage, KG4IUM, will be organizing and chairing the Youth Lounge. Hartlage, was the 2004 Amateur Radio Newsline Young Ham of the

Year and a former ARRL Vice-Director. She is nationally known as a promoter of Youth in Amateur Radio and is an active member of the Youth in the Second Century Committee sponsored by the American Radio Relay League.

More about both the Ole Virginia Amateur Radio Club hamfest and its dedicated youth activities can be found on-line at www.manassashamfest.org. Organizers say that they hope to see you there. KC4DV

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

EMERGING TECHNOLOGY: GOOGLE ASKS FCC PERMISSION TO CREATE EXPERIMENTAL 2.5 GHZ NETWORK

Google may be trying to create an experimental wireless network covering its Mountain View, California, headquarters. This in a move that some analysts say could be a sign that the company may be planning the creation of a super-fast wireless networks in other locations that would allow people to connect to the World-Wide-Web using mobile devices.

Google recently submitted an application to the Federal Communications Commission, asking for an experimental license to create an experimental radio service with a two-mile radius covering its headquarters. The network would only provide coverage for devices built to access frequencies from 2524 to 2625 megahertz. This is spectrum which could work well in densely populated areas and which mobile operators in China, Brazil and Japan are already building wireless networks using. This in turn means that compatible devices can eventually be manufactured.

According to Communications News, much of Google's application is confidential, but it does say that the first deployment of the experimental network would take place inside a specific building on Google's property. That building reportedly houses the company's Fiber Team, which is part of the Google Access unit that has introduced high-speed wired Internet and video in Kansas City.

A Google spokesperson declined to comment on the purpose of the application, saying the company regularly experiments with new ideas. More is on the web at tinyurl.com/google-2-ghz. (TechNewsNow.com, ARSTechnica, CommNews, others)

**

WORLDBEAT: ILLW REGISTRATION TIE

The battle for the most registrations for the 2013 International Lighthouse and Lightship Weekend leadership appears at this moment to be a tie between Australia and Germany with 40 registrations each. This out of more than 220 from 30 countries around the world.

Looking at other nations, the United States has registered 23 lighthouse and lightship entities. It's followed by England at 18, Argentina with at 12, Ireland and Scotland with 9 each, with Canada, Netherlands and Sweden at 8 a piece.

With registration only at about the half-way mark, it so far appears that the number of entities planning to take part is ahead of last year at this same time. If you plan to activate a lighthouse or lightship for this fun operating event and want to register it, simply take your web browser to www.illw.net.

This year's International Lighthouse and Lightship weekend takes place the weekend of August the 17th and 18th and planners say that they hope you will be there. (VK3PC)

**

WORLDBEAT: RADIO AND TV MARTI BACK ON THE AIR AFTER FIRE

Radio and Television Marti broadcasts to Cuba from the United States government resumed on Monday, April 22nd. This after a trashcan fire forced the temporary evacuation of the headquarters of the Office of Cuba Broadcasting in Miami the day before.

According to the United States Broadcasting Board of Governors, the building that houses Marti and its website reportedly sustained damage due to an accidental fire caused by a lighted cigarette left in a container in a designated smoking area outside the building. While windows cracked due to the heat, no one was injured and sprinklers were automatically set off.

Carlos Garc&#65533;a P&#65533;rez, director of the Office of Cuba Broadcasting said he was grateful for a quick response from firefighters, and for the continued work of the station's broadcasters through the ordeal.

In Cuba, Radio Mart&#65533; is available on 1080 AM and also on 1260 AM as Radio Caracol. (RW)

**

ON THE AIR: GB4PEN - THE PENLEE LIFEBOAT SPECIAL EVENT

On the air, keep an ear open for Geoff Powell, M1EDF, will be on the air as GB4PEN through the 24th of May. This, to commemorate the crew of the United Kingdom lifeboat the Penlee.

According to Wikipedia, the lifeboat Penlee sank off the coast of Cornwall in the UK on December 19, 1981. This after it had gone to the aid of the vessel the Union Star after its engines failed in heavy seas.

The story goes that after the Penlee had managed to rescue four people that both vessels were lost with all hands. In all, sixteen people died including eight volunteer lifeboatmen.

M1EDF says that he will be operating on 160, 80, 40, 30 meters using CW only. QSL's go direct to M1EDF who adds that any donations received with QSLs will benefit the United Kingdom's Royal National Lifeboat Institution. More is on-line at www.qrz.com/db/GB4PEN (Southgate)

**

ON THE AIR: NEW REGIONAL NET SERVING TN, VA, MC AND BEYOND

The State of Franklin Friendship net is a brand new regional net serving East Tennessee, Southwest Virginia, and Northwest North Carolina. This new ragchew net is held on several linked local repeaters in the area and also worldwide via Echolink. You're invited to join in every Thursday evening at 9:30PM EDT. More details and a list of net repeaters and Echolink nodes can be found at facebook.com/stateoffranklinnet. Stateoffranklin is all one word. (AE5DW)

**

DX

In DX, 7Z1HL will be active from Saudi Arabia until May 31st as HZ1FOC He is active on the various H-F Bands. QSL only Heribert Lennertz, HZ1FOC , P.O.Box 85661 , Riyadh 11612 , Saudi Arabia.

PB2T is currently operational stroke TF from Iceland on the High Frequency bands. If you make contact please QSL via his home call

OD5SK is currently active from Jordan as JY8KS. He is reported to be on the H-F bands only. QSL via IZ8CLM

OH6VM will be on the air from Market Reef from June 2nd to the 5th. He will be using the call sign OJ0VM also on the various High Frequency bands QSL OH6VM.

HA0NAR will be active as 3D2AR from Viti Levu Island in the Fiji Island group sometime in October. His operation will likely on 160 through 10 meters using CW, SSB and RTTY. QSL via his home callsign and for updates please visit www.ha0nar.hu on the World-Wide-Web.

Lastly, G3SXW and G3TXF are on the air from Jersey Island on all of the HF bands using the call sign GH4FOC for the FOC commemorative operation as well as GJ3SXW and GJ3TXF. QSL's for GH4FOC go via G3SWH while GJ3SXW go via G3SXW and GJ3TXF via G3TXF. All calls can be either paper or electronic using Logbook of the World.

(Above from various DX news sources)

**

THAT FINAL ITEM: SELF HEALING CHIPS ARE A REALITY

And finally this week, indestructible electronics are a step closer to reality thanks to engineers at the California Institute of Technology who have developed what they are calling self-healing integrated chips. Amateur Radio Newsline's Cheryl Lasek, K9BIK, has more:

--

The team from the High-Speed Integrated Circuits laboratory in Caltech's Division of Engineering and Applied Science repeatedly blasted tiny power amplifiers with a high-power laser, vaporizing many of their components. They then watched the chips develop their own work-arounds in less than a second.

The new integrated circuits are so small that 76 of them, including the amplifier and everything needed to heal it, can fit on one penny. The amplifiers developed by the team use on-chip sensors that monitor temperature, current, voltage, and power. These sensors send the information to a custom application-specific integrated circuit or ASIC which is a central processor on the same chip that functions as the system's brain. The ASIC evaluates the information it receives from the sensors about the amplifier's performance, decides what adjustments need to be made to the system's actuators, and makes those changes. The unit was designed to get to the optimum state for all actuators in any situation without outside intervention.

The benefits of this approach go beyond overcoming severe damage. Because of the self sensing, these amplifiers used about half as much power as those without the self-healing capability, and performance was more predictable and reproducible.

In addition to working around damage to parts of the circuits, the amplifier's self-healing can repair static variation due to differences across components and long-term aging problems that arise over time as use changes the internal properties of the system. It can also handle short-term variations caused by changes in load, temperature, and differences in supply voltage.

Since chips such as these are useful for next-generation communications, imaging, sensing, and radar applications, showing successful self-healing here should mean that it also can be done in less cutting-edge electronic systems such as cellphones and maybe someday even in ham radio gear.

For the Amateur Radio Newsline, I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

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Research on this project was funded by the Defense Advanced Research Projects Agency and the Air Force Research Laboratory. More on this story is on-line at tinyurl.com/self-healing-chips. (CalTech, WIA)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV, Australia's WIA News and the 2013 Dayton, Hamvention, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

A reminder that the there are only about two and a half weeks left to nominate a young ham age 18 or under for this years Amateur Radio Newsline Young Ham of the Year Award. The closing date is midnight on May 30th and any nominations postmarked or sent to us electronically after that date will not be counted for this years judging. This years winner will receive an expense paid trip to the Huntsville Hamfest courtesy of Yaesu USA, a week at Spacecamp Huntsville from CQ Magazine, a prize of ham radio gear and a plaque commemorating the event from us here at the Amateur Radio Newsline. Full details and a nominating form are on our website at www.arnewsline.org/yhoty. We look forward to receiving your nominations.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Don Wilbanks, AE5DW, in South Mississippi saying 73 and we thank you for listening.

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185. Welcome to rec.radio.info!

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-22 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/welcome-1-1369202401@panix.com>
Source record: 195
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/welcome
Revision: 1.5 2013/02/21 04:09:48
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** Welcome to rec.radio.info! ***

Welcome to rec.radio.info, a group that aims to provide a noise-free
source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group
every month. You are now reading the first article, which explains what
rec.radio.info is, and answers some Frequently Asked Questions. The
second article is titled Posting Guidelines, and you only need to read
it if you want to submit an article to rec.radio.info.

You can skip to the next section of this article by searching for the
next
" -- " string. The sections available are:
- What is the purpose of rec.radio.info?
- Why are messages almost always cross posted to rec.radio.info?
- What is a 'follow-up', and what does 'moderated' mean?
- OK, so now I know what 'moderated' means. Tell me more.
- What type of material is considered inappropriate?
- I do not have access to news, how can I get the information posted to
rec.radio.info?
- Will the material appearing in rec.radio.info be archived somewhere?
- I have a regular posting with timely information, is there a way to
speed up it's delivery, or automate for more convenience?

-- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet
community with a resource for information, news, and facts about any and
all things radio.

All the other rec.radio groups are intended for discussions and general
chit chat about radio. Rec.radio.info will contain informational,
factual articles only. Follow-ups are redirected to an appropriate other
group, and further discussion (if any) will not take place in
rec.radio.info.
```

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- Why are messages almost always cross posted to rec.radio.info?

It provides a "tag" for each article to be assembled into a filtered presentation in rec.radio.info (even with cross-posting, only one message, with a unique Message-ID, is propagated across the net). This tag also facilitates a pre-existing method of dropping or canceling the articles locally within the discussion groups if you don't want to see them. This accommodates individuals who want to separate the bulletins from the discussions, discussions from the bulletins, as well as those who are adamant about not reading another newsgroup and wanted to see everything all in one basket.

With the total size of Usenet (in number of newsgroups and total traffic) doubling every year or so, this is no insignificant contribution to reducing information noise and chaos. Making the discussion groups a catch-all, and making extra newsgroups filters on that catch-all, is also the most realistic way to implement such a scheme (It's not intuitively obvious what the charter, contents, and general appropriate topics for each and every newsgroup are. Seeing FAQ's and charter/intro postings in the home newsgroup is beneficial for new readers).

By cross-posting one only is adding a few tens of bytes to each bulletin (to specify the extra group on the Newsgroups line), but are adding the capability for very powerful filtering features available on most news servers, listservers and readers. Your local news guru could probably explain these features in more detail.

In rn, for example, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

/Newsgroups:.*[,]rec\.radio\.info/h:j

either in ~/News/KILL (if you don't want to see rec.radio.info articles anywhere) or ~/News/rec/radio/amateur/misc/KILL (if you don't want to see them just in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

rec.radio.info:!s/:^

in ~/.nn/kill (if you don't want to see rec.radio.info articles anywhere), or put the following lines:

sequence
rec.radio.info
rec.radio.

at the end of ~/.nn/init in order to see all the rec.radio.info bulletins first, then read the remaining rec.radio.* without the

bulletins.

In slrn, according to the srln FAQ, the following scoring rule will allow you to see rec.radio.info-crossposted bulletins, while still filtering out most SPAM or "Velveeta" crossposted to more than 2 newsgroups (as such articles usually do not contain a 'Followup-To:' header):

Score: -9999
Newsgroups: ,.*,
~Followup-To: .

More information about kill files may be obtained from Dave Fawthrop's Killfile FAQ at:

http://static.slated.org/killfile/killfilefaq.htm |

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup news.announce.newusers. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to news.announce.newusers.

For the rest of this article, we will assume you have a basic knowledge of Usenet terminology and mechanics.

A moderated group means that any article that needs to be posted to the group has to be accepted by the moderator of the group. Since we need to ensure that followups to an article (discussion) do not show up in the rec.radio.info newsgroup, the `Followup-To:' header line contains a newsgroup that is appropriate for discussions about the specific article.

-- OK, so now I know what 'moderated' means. Tell me more.

Rec.radio.info is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is the rec.radio.amateur.moderated Moderation Team. Submissions to rec.radio.info can be posted, or e-mailed to:

rec-radio-info@panix.com

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

rec-radio-info-request@panix.com

But before you do so, please be sure to check out the "Posting Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

1) Requests for information: rec.radio.info is strictly a one-way street. We receive information in our mailbox; we then post it to rec.radio.info. Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.

2) Obvious discussion articles, or articles that appear unsubstantiated.

3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, We would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. We reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all we can allow.

-- I do not have access to news, how can I get the information posted to rec.radio.info?

Google has an excellent web interface to Usenet newsgroups. It is available at:

http://groups.google.com

It supports both reading and posting.

Another excellent web interface to at least the radio-related Usenet newsgroups is the RadioBanter site:

http://www.radiobanter.com

sponsored by the NewsgroupBanter project:

http://www.newsgroupbanter.com

It, too, supports both reading and posting.

-- Will the material appearing in rec.radio.info be archived somewhere?

Yes. See Google Groups and RadioBanter above.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as time critical.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires co-operation and goodwill to be beneficial to the community in the rec.radio hierarchy.

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

186. rec.radio.info Posting Guidelines

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-22 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/rec-radio-info/guidelines-1-1369202701@panix.com>
Source record: 196
Cross-posted to: rec.radio.info,rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.answers,news.answers

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/rec-radio-info/guidelines
Revision: 1.6 2013/02/21 04:09:06
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rri/index.html

Changes followed by "|".

*** rec.radio.info - Posting Guidelines and Etiquette ***

Two introductory articles about rec.radio.info are posted to this group
and to rec.answers/news.answers every month. You are now reading the
second article, which explains how to submit something to
rec.radio.info, and which answers some Frequently Asked Questions about
the submission process. The first article is titled "Welcome to
rec.radio.info", and it might be a good idea to check it out as well.

-- How do I submit something to rec.radio.info?

Two possibilities. You can use your newsreading software to just post
the article to rec.radio.info, as you would do with any other
newsgroup. The difference is that the software recognizes the special
status of rec.radio.info as a moderated group, and will e-mail your
article to us, the moderation team, instead of posting it to the group.

Alternatively, you can mail your article directly to us at the following
address:

rec-radio-info@panix.com

Mailing us directly is probably (a wee bit) faster, but using the
transparency offered by the newsreading software is probably more
convenient.

If you have any questions, or wish to deal with some administrivia with
the moderation team, we suggest mailing to the following address:

rec-radio-info-request@panix.com

-- How soon will I see my article appear?

It depends on how busy we are. Your article reaches us as mail, we have
to read it first, give it the stamp of approval, and finally send it on
to the group. We will attempt to read and decide on all submissions
within 72 hours at the very least, though we will probably be able to
process submissions much faster in actual practice.
```

The site from which we moderate this newsgroup, "Public Access Internet and Unix, NYC" (Panix), is directly connected to the Internet, and articles posted at that site should appear at most major news sites, including Google Groups, the same day. The principal delay, therefore, will be the wait in the moderator's submission queue.

If you post a periodic article, and have shown to be trustworthy, we may allow you to post directly if the article is of a timely nature. See the section below on direct posting.

-- Should my article be in a specific format?

No. If it is not totally illegible, we will accept it, and if it does not have a correct subject-line we will correct it with your permission -- that's what a moderator is for.

However.

You could do us a big favor by making sure your article conforms to these simple requirements:

1) The article must present information, not discussion or requests, We will reject the article or require you to change the wording if it is worth it.
2) A good, descriptive Subject line.
3) Always mention what source you got the information from.
4) Don't forget to include a Followup-To header, at least if you don't want further discussion to automatically be forwarded to you, the poster, which is the default if the article is only posted to rec.radio.info.

As we said: if your article is appropriate we will post it even if you don't follow these guidelines, but then don't blame us for not processing it immediately. 'Perfect' articles we can send on with a couple of keystrokes. Stuff that needs minor editing is going to have to wait until we have time to do so.

Please do not waste both our and your time by posting requests, as this is an information only news group.

-- What about crossposting?

If you send something to rec.radio.info, just name any group you'd like to cross-post to in the Newsgroups field. Then, when we approve the article for rec.radio.info it will get automatically cross-posted to any other groups mentioned. This will also override the default Followup-To: poster, replacing it with the groups you cross posted to.

We would prefer if the group be cross-posted to the various discussion groups in the rec.radio.* hierarchy that are appropriate:

rec.radio.amateur.antenna Antennas: theory, techniques and construction. |
rec.radio.amateur.boatanchors Vacuum tube-based amateur radio equipment. |
rec.radio.amateur.digital.misc Packet radio and other digital radio modes. |
rec.radio.amateur.dx Discussion, tips, notices and news for DXers. |

rec.radio.amateur.equipment All about production amateur radio hardware. |
rec.radio.amateur.homebrew Amateur radio construction and experimentation. |
rec.radio.amateur.misc Amateur (ham) radio and related matters
rec.radio.amateur.policy Amateur Radio practices, rules, etc.
rec.radio.amateur.space Amateur radio transmissions through space. |
rec.radio.shortwave International broadcasting on the 'HF' bands
rec.radio.cb Citizens Band (27 MHz) discussion
rec.radio.scanner Scanner discussions (unsupported group)

or in one of the moderated groups:

rec.radio.amateur.moderated Amateur radio practices, rules, etc.
rec.radio.broadcasting Discussion of *domestic* radio broadcasting

We will leave it up to the poster to decide which group(s) are
appropriate, but reserve the right to add groups if we feel it has
broader interest. We will consult with the poster first.

Notes on crossposting:

- rec.radio.broadcasting is also a moderated group. The
rec.radio.broadcasting moderation team prefers to review all articles |
before posting. Placing rec.radio.broadcasting before rec.radio.info |
on the Newsgroups line should accomplish this. We will typically |
abide by the rec.radio.broadcasting moderation team's decision whether |
the article is appropriate for rec.radio.info. |

- rec.radio.amateur.moderated is also a moderated group. As the
rec.radio.amateur.moderated Moderation Team manages both
rec.radio.amateur.moderated and rec.radio.info, we can manage
crossposting and approvals for both newsgroups. The
rec.radio.amateur.moderated group does not allow crossposting to other
discussion newsgroups, whether moderated or unmoderated. However, we
would like to manage rec.radio.info as consistently as possible with
how it was done by previous moderators, including the grandfathering
of existing regular postings. Therefore, the submitter can choose
rec.radio.amateur.moderated or the other unmoderated
rec.radio.amateur.* discussion newsgroups for crossposting, but not
both.

- Any FAQ or informational posting approved by the
rec.answers/news.answers moderation team that is also crossposted to
any rec.radio.* newsgroup (besides just rec.radio.info) is also
automatically pre-approved for rec.radio.info. See below for more
information.

If you post to another moderated group, it may be better to make special
arrangements with both moderators before posting by contacting us at our
administrivia addresses.

In addition, cross-posts do not take up extra space; modern newsreaders
can be configured to show you cross-posted articles only once anyway;
not everybody reads rec.radio.info; and rec.radio.info was never meant

to reduce the volume of the regular discussion newsgroups. But keep in mind that some of the mail gateways may filter out the informational postings (at request of the subscribers) to keep the load down.

You decide.

-- I have a regular posting with timely information, can I make arrangements to help speed up delivery by posting directly from my site?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as timely.

We refer to this as self-moderation, which is partly based on the model for rec.answers/news.answers. This requires cooperation and good will to be beneficial to the community in the rec.radio.* hierarchy.

If you are currently maintaining (or plan to maintain) a radio-related periodic information posting, you may wish to consider crossposting it to rec.answers/news.answers. Postings that are approved by the rec.answers/news.answers moderators for this treatment are automatically pre-approved for crossposting to rec.radio.info (as the news.answers requirements are far more rigorous than the requirements this newsgroup ever plans to use). For more information about this option, consult the appropriate information articles and posting guidelines in rec.answers/news.answers.

Realize also, that even if your post is not approved for rec.answers/news.answers, it can still be approved for rec.radio.info. The intention is not so much to get every last bit of radio-related information on rec.answers/news.answers, but rather to provide an alternative avenue of approval (as well as grandfather existing maintainers of radio-related information and spare them additional bureaucratic hurdles). Again, crossposting to either rec.radio.info or rec.answers/news.answers, both, or neither, is at the discretion of the poster (subject to the approval of the moderators). You decide what is most appropriate for your article.

Please remember that as an information maintainer, you are not alone. There are many others on the net who maintain and post periodic information postings, using various intermediate-to-advanced features of Usenet (usually via automated tools). Various degrees of technical support and general hand-holding are available from many Usenet veterans. Send us some E-mail describing your needs to our administrative address below, and we'll try to help, or at least refer you to the right knowledgeable individual(s).

-- And Follow-ups?

If the only newsgroup you have specified is rec.radio.info, then the Followup-To: field will always be set to poster. If you do not want this, you must supply a Followup-To line of your own, and we will honor that one, as long as it is a subset of the original Newsgroups line.

If you specify newsgroups to cross-post to, then the Followup-To field will be set to include all the cross-posted groups, excepting rec.radio.info itself. Again, if you do not wish this behavior, supply your own Followup-To line.

We maintain other standards on the various RFC-1036 (news transport) header lines. For example, if the article is appropriate for passing into the Packet Radio Information Network, we encapsulate the Packet Bulletin Identifier (BID) in the Message-ID: news header line indicating the machine of origin as the ampr.org domain:

Message-ID: <$opa.55.1994@ampr.org>

where the Packet Radio BID, in this example, is `$OPA.55', and it was posted in the year 1994, because some of the Bid numbers are cycled yearly. Hopefully, this can be used as a key to re-introduce the articles for the Packet Radio network. Also, if the article is a repost of an already existing information article in the rec.radio heirarchy, we ensure that the References: header line is linked to that previously posted article. This also helps to tag articles, and may be used for additional filtering if needed.

Since the articles are archived, please use the Summary and Keywords header lines to help one search for your article.

-- Why have I received no reply from you?

We never reject anything in silence, and we make a point of it to answer all our mail. However, E-mail, like a brain cell, can and does get lost, every now and again.

So, if you send us something, and you don't see it appear it rec.radio.info, and you still have not heard from us in reply after say, five days, you can be pretty sure that either your mail never reached us, or that our answer has never reached you. In that case, please try again (We will filter out duplicates).

Please direct any comments, questions, or criticisms about this article to rec-radio-info-request@panix.com.

(Adapted, with permission, from the original article written by Mark Salyzyn, AG4YD, ex-VE6MGS.)

187. FCC Daily Digest 05/23/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-23 16:25:03 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527895-2013.05.23-11.45.53--rec-radio-info#panix.com@info.fcc.gov>
Source record: 197
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)
Daily Digest

Vol. 32 No. 99 May 23, 201
3

[...]

Report No: 47995 Released: 05/23/2013. BROADCAST ACTIONS. MB http://hra
unfoss.fcc.gov/edocs_public/attachmatch/DOC-321122A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-321122A2.txt

[...]

188. The ARRL Letter for May 23, 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-23 20:30:56 UTC
From: ARRL Web site <memberlist@www.arrl.org>
Message-ID: <20130523190014.A0AB423D7E@bmail.arrl.org>
Source record: 198
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

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**********************************************
The ARRL Letter

Published by the American Radio Relay League
**********************************************

May 23, 2013

Editor: S. Khrystyne Keane, K1SFA <k1sfa@arrl.org>

ARRL Home Page <http://www.arrl.org/>ARRL Letter Archive
<http://www.arrl.org/arrlletter/>Audio News
<http://www.arrl.org/arrlletter/audio/> IN THIS ISSUE

- + Public Service: Amateurs in Oklahoma Respond to Storm Aftermath
- + Dayton Hamventionï¿½: Foggy Skies, Friendly Faces, Fantastic Event
- + Former QST Managing Editor Joel Kleinman, N1BKE (SK), Inducted into
CQ Amateur Radio Hall of Fame
- + On the Air: Take Part in WX4NHC's Annual On-the-Air Station Test
from the National Hurricane Center
- + FCC News: FCC Now Down to Three Commissioners
- Section News: Section Manager Election Results Announced
- + LoTW: Logbook of The World Reaches 500 Million QSOs
- LoTW: Release of TQSL 1.14 for LoTW Delayed
- Solar Update
- + ARRL HQ to Close in Observance of Memorial Day
- Upcoming ARRL Section, State and Division Conventions and Events

+ Available on ARRL Audio News <http://www.arrl.org/arrl-audio-news>.

There will be no ARRL Audio News <http://www.arrl.org/arrl-audio-news>
on Thursday, May 30. The ARRL Letter <http://www.arrl.org/arrlletter>
will be distributed on its usual schedule. The Audio News will return
on Thursday, June 6.

==> + PUBLIC SERVICE: AMATEURS IN OKLAHOMA RESPOND TO STORM AFTERMATH

After an EF5 tornado swept through Oklahoma on May 20, radio
amateurs in that state assisted the American Red Cross with its
communications efforts. "Amateur Radio operators were asked to support
voice communications from the American Red Cross Oklahoma City Chapter
Headquarters to their feeding station at the Incident Command Post
located in Moore," explained ARRL Oklahoma Section Emergency
Coordinator Mark Conklin, N7XYO. Moore, located about halfway between
Norman and Oklahoma City, suffered the brunt of the tornado damage. As
of 8:30 CDT on May 22, all Amateur Radio operations in support of the
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American Red Cross ceased.

At least 24 people, including nine children, were killed when the 1.3-mile-wide tornado moved through Moore, Oklahoma's seventh largest city. The National Weather Service stated that the tornado traveled an estimated 17-mile-long path for 50 minutes, with an estimated peak wind that ranged from 200-210 miles per hour, making it an EF5 storm, the most powerful category of tornados possible. Read more <http://www.arrl.org/news/amateurs-in-oklahoma-respond-to-storm-aftermath>.

==> + DAYTON HAMVENTIONï¿½: FOGGY SKIES, FRIENDLY FACES, FANTASTIC EVENT

Hamvention 2013 began on a foggy May 17 morning in Dayton, Ohio. As soon as the doors opened, it didn't take long for the streams of humanity to fill the indoor aisles. The ARRL EXPO <http://www.arrl.org/2013-dayton-hamvention> drew substantial crowds throughout the weekend, with attractions such as the W1AW 75th anniversary exhibit, DXCC card checking, the Youth Lounge and free spectral purity testing, courtesy of the ARRL Lab.

Hamvention forums were also well attended. At the ARRL Power Line Interference forum, ARRL Laboratory Supervisor Ed Hare, W1RFI, offered advice and guidance with assistance from ARRL Lab Engineer Mike Gruber, W1MG, and an arcing "Jacob's Ladder."

At the ARRL Member Forum, ARRL President Kay Craigie, N3KN, spoke on a number of topics, but placed particular importance on the efforts of new ARRL's Second Century Campaign <http://www.arrl.org/arrl-second-century-campaign> to ensure the strength of the organization well into the future. To emphasize the point and its relevance during the upcoming ARRL Centennial, she said, "While the past may excite us, it is the future that must inspire us."

ARRL Chief Executive Officer David Sumner, K1ZZ, brought the forum audience up to date on the status of ARRL involvement in national and international regulatory issues. While discussing a potential threat to the amateur allocation at 76 GHz, he stressed the fact that even such sparsely used amateur spectrum deserved a vigorous defense: "The 76 GHz band may be of little interest to most hams today, but we need to preserve our microwave allocations for technologies we can't even imagine today and the future amateurs who will use them."

ARRL First Vice President Rick Roderick, K5UR, stepped to the podium and presented five challenges to the audience:

- If you don't belong to a local club, join one today.
- If you already belong to a club, actively support it.
- Help inactive hams get on the air. Give assistance to new amateurs to help them use their privileges effectively. Volunteer your time to help elderly hams who are no longer able to maintain their stations.
- Recruit as many new amateurs as possible. Recruit as many new ARRL members as possible.
- Donate to the Second Century Campaign

<http://www.arrl.org/arrl-second-century-campaign>.
Early reports from commercial vendors supported the perception that Hamvention attendance was strong and people were in the mood to buy. The flea market also saw quite a few browsers and shoppers. The rain held off and overcast skies helped keep conditions pleasant. Watch for a Hamvention report, along with new product highlights, in the August print and digital editions of QST <http://www.arrl.org/qst>.

==> + FORMER QST MANAGING EDITOR JOEL KLEINMAN, N1BKE (SK), INDUCTED INTO CQ AMATEUR RADIO HALL OF FAME

CQ magazine announced its 2013 Hall of Fame inductees on May 17, welcoming eight new members into the CQ Amateur Radio Hall of Fame, including former QST Managing Editor Joel Kleinman, N1BKE (SK), who helmed QST from 2001 until his untimely death in 2012. In addition, CQ named two new members to the CQ DX Hall of Fame and two new members to the CQ Contest Hall of Fame.

Kleinman came to the League in 1976 after receiving his master's degree from the University of Montana; his first article appeared in QST less than a year later. He quickly moved from the Education side of the building to the Editorial and Production side as an editorial assistant before becoming the ARRL Features Editor, then Editorial Supervisor, then Editorial/Production Supervisor. In 1988, Kleinman became Book Team Supervisor, where he was responsible for the development and editorial integrity of ARRL books and other media. He was named QST Managing Editor in April 2001. Read more <http://www.arrl.org/news/former-em-qst-em-managing-editor-joel-kleinman-n1bke-sk-inducted-into-cq-amateur-radio-hall-of-fame>.

==> + ON THE AIR: TAKE PART IN WX4NHC'S ANNUAL ON-THE-AIR STATION TEST FROM THE NATIONAL HURRICANE CENTER

The annual WX4NHC On-the-Air Station Test from the National Hurricane Center in Miami will take place Saturday, June 1, 1300-2100 UTC (9 AM-5 PM EDT). "The purpose of this annual station test is to test all of our radio equipment, computers and antennas using as many modes and frequencies as possible in preparation for this year's hurricane season," said WX4NHC Assistant Amateur Radio Volunteer Coordinator Julio Ripoll, WD4R. "This is not a contest or simulated hurricane exercise."

WX4NHC will be on the air on HF, VHF and UHF, as well as 2 and 30 meter APRS. Suggested SSB frequencies are 3.950, 7.268, 14.325, 21.325 and 28.425 MHz, +/-QRM. WX4NHC also will be on the VoIP Hurricane Net from 1700-1900 UTC (IRLP node 9219/EchoLink WX-TALK conference node 7203) and on VHF/UHF repeaters in Southern Florida. Read more <http://www.arrl.org/news/take-part-in-wx4nhc-s-annual-on-the-air-station-test-from-the-national-hurricane-center>.

==> + FCC NEWS: FCC NOW DOWN TO THREE COMMISSIONERS

With the departure of Chairman Julius Genachowski and Commissioner Robert McDowell this past weekend, the FCC now only has three of its full complement of five Commissioners. Pending the Senate confirmation hearings for Tom Wheeler, President Obama's pick to head the FCC, Obama has named Mignon Clyburn, the FCC's ranking Democrat, to serve as Acting Chairwoman. The three remaining Commissioners -- Clyburn, fellow Democrat Jessica Rosenworcel and Republican Ajit Pai -- have almost six years of combined experience on the FCC. The Senate confirmation hearings for Wheeler as the new FCC Chairman have yet to be scheduled. President Obama has not announced his nomination of a candidate to replace McDowell. Read more <http://www.arrl.org/news/fcc-now-down-to-three-commissioners>.

==> SECTION NEWS: SECTION MANAGER ELECTION RESULTS ANNOUNCED

This spring, the ARRL held two balloted elections for Section Manager. ARRL members in Nebraska elected a new Section Manager, while members in Utah -- faced with a three-way race -- voted to keep their Section Manager. In addition, ARRL members in New Hampshire and Wisconsin will each get a new Section Manager, and Section Managers in seven Sections ran unopposed and were declared elected for a new two-year term. Ballots were counted and verified at ARRL Headquarters on Tuesday, May 21. Read more <http://www.arrl.org/news/section-manager-election-results-announced-1>.

==> + LOTW: LOGBOOK OF THE WORLD REACHES 500 MILLION QSOS

On May 21 at approximately 9:40 PM EDT (0140 UTC on May 22), Logbook of The World (LoTW <http://www.arrl.org/logbook-of-the-world>) -- the ARRL's online QSO confirmation system - reached a new record: 500 million QSOs. This milestone was reached as Gabor Horvath, VE7JH, of Crofton, British Columbia, uploaded a log from 2011 for VC7M, the Canadian Multi/Multi Team in the 2011 CQ WPX CW Contest <http://lists.contesting.com/pipermail/3830/2011-June/225000.html>.

Since LoTW was first introduced in September 2003, almost 58,000 hams around the world have registered to use the system to confirm two-way contacts they have made. The confirmations are credited toward various ARRL operating awards, such as Worked All States and DXCC. By using digitally signed certificates with QSO date ranges and station locations for geographic information, LoTW is able to accommodate clubs, previously held call signs, QSL managers, DXpeditions, mobile and rover operators just as easily as it handles the individual user with one call sign and one location,

==> LOTW: RELEASE OF TQSL 1.14 FOR LOTW DELAYED

Last week, the ARRL announced <http://www.arrl.org/news/arrl-announces-new-version-of-lotw-software> that the introduction of the new TQSL 1.14 software for Logbook of The World (LoTW <http://www.arrl.org/logbook-of-the-world>) would be available on May 20. Upon further testing, three defects -- now corrected -- were reported after that announcement. Before publicly

releasing a corrected version of TQSL 1.14, the software must be thoroughly retested by the Trusted QSL Software Development Team. LoTW users should expect a public release of TQSL 1.14 by the end of the month.

==> SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity remains quiet, but on May 16 the daily sunspot number reached 212. I had to keep searching further and further back in the records to find a higher sunspot number. One year, six months and one week earlier -- November 9, 2011 -- the sunspot number was almost that high, at 208. Going back seven years, 10 months and 12 days to July 4, 2005, it was 192. To find activity beating the May 16 number, we have to go back nearly a decade to November 1, 2003 when the daily sunspot number was 277. This was on the downward slide of Solar Cycle 23 -- nine years, six months and 15 days earlier than our recent high number. Let's hope for many more days like this. This week, the average daily sunspot numbers this week were down more than 12 points to 144, while the average daily solar flux declined nearly 6 points to 134.2. Geomagnetic activity was higher, with the average daily planetary A index up 3.7 points to 9.7, and the average daily mid-latitude A index rose 4.4 points to 10.3. The latest prediction from NOAA/USAF has solar flux at 125 on May 23-24, 130, 135, 140, 145 and 150 on May 25-29, 100 on May 30-31, 105 and 110 on June 1-2, 120 on June 3-5, and then 125 on June 6-8 before rising to a short term peak of 140 on June 12-13. This prediction is a bit far off, but it also shows a minimum flux value of 100 on June 26-27. The predicted planetary A index is 15, 8, 15, 10, 7, 15 and 12 on May 23-29, 5 on May 30-June 10, and then 8, 12 and 8 on June 11-13, 5 on June 14-17, and then 15, 12, 8 and 5 on June 18-21. Look for more information on the ARRL website on Friday, May 24. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/propagation-of-rf-signals>.

==> + ARRL HQ TO CLOSE IN OBSERVANCE OF MEMORIAL DAY

ARRL Headquarters will be closed Monday, May 27 in observance of the Memorial Day holiday. There will be no W1AW code practice or bulletin transmissions <http://www.arrl.org/w1aw-operating-schedule> that day. ARRL Headquarters will reopen Tuesday, May 28 at 8 AM (EDT). We wish everyone a safe and enjoyable holiday weekend!

This Week in Radiosport

This week:

- May 24 -- NCCC Sprint Ladder
- May 25 -- Portuguese Navy Day Contest (Digital); QRP ARCI Hootowl Sprint (local time)
- May 25-26 -- CQ WW WPX Contest (CW)
- May 26 -- SARL Digital Contest
- May 27-28 -- Michigan QRP Memorial Day CW Sprint

Next week:

- May 31 -- NCCC Sprint Ladder
- June 1 -- Maritimes QSO Party; Wake-Up! QRP Sprint
- June 1-2 -- Alabama QSO Party; IARU Region 1 Field Day; 10-10
International Open Season PSK Contest; SEANET Contest; UKSMG Sporadic E
Contest
- June 4 -- ARS Spartan Sprint

All dates, unless otherwise stated, are UTC. See the ARRL Contest
Branch page <http://www.arrl.org/contests>, the ARRL Contest Update
<http://www.arrl.org/The-ARRL-Contest-Update> and the WA7BNM Contest
Calendar <http://www.hornucopia.com/contestcal/index.html> for more
information. Looking for a Special Event station? Be sure to check out
the ARRL Special Event Stations web page
<http://www.arrl.org/special-event-stations>.

==> UPCOMING ARRL SECTION, STATE AND DIVISION CONVENTIONS AND EVENTS

- June 1 -- ARRL Georgia State Convention
<http://www.arrl.org/hamfests/georgia-state-convention-atlanta-hamfest-1>,
Marietta, Georgia
- May 31-June 2 -- ARRL Northwestern Division Convention
<http://www.arrl.org/hamfests/northwestern-division-convention-seapac-4>,
Seaside, Oregon
- June 7-8 -- ARRL West Gulf Division Convention
<http://www.arrl.org/hamfests/west-gulf-division-convention-35th-anniversary-
ham-com>,
Plano, Texas
- June 8 -- ARRL Delta Division Convention
<http://www.arrl.org/hamfests/delta-division-convention-2>, Rogers,
Arkansas; ARRL Tennessee State Convention
<http://www.arrl.org/hamfests/tennessee-state-convention-knoxville-hamfest-el
ectronics-convention>,
Knoxville, Tennessee
- June 28-30 -- ARRL Rocky Mountain Division Convention
<http://www.arrl.org/hamfests/rocky-mountain-division-convention-hamcon-color
ado-2013>,
Estes Park, Colorado
- July 6 -- ARRL Eastern Pennsylvania Section Convention
<http://www.arrl.org/hamfests/eastern-pennsylvania-section-convention-firecra
cker-hamfest-electronics-expo>,
Harrisburg, Pennsylvania
- July 25-27 -- Central States VHF Society Conference
<http://www.arrl.org/hamfests/central-states-vhf-society-2013-conference>,
Elk Grove Village, Illinois
- July 26-27 -- ARRL Oklahoma State Convention
<http://www.arrl.org/hamfests/oklahoma-state-convention-ham-holiday-1>,
Oklahoma City, Oklahoma
- August 2-3 -- ARRL Texas State Convention
<http://www.arrl.org/hamfests/texas-state-convention-austin-summerfest-2013>,
Austin, Texas

- August 2-4 -- Pacific Northwest DX Convention
<http://www.arrl.org/hamfests/pacific-northwest-dx-convention-2>,
Spokane Valley, Washington
- August 17 -- ARRL West Virginia State Convention
<http://www.arrl.org/hamfests/west-virginia-state-convention-3>,
Weston, West Virginia
- August 17-18 -- ARRL Alabama State Convention
<http://www.arrl.org/hamfests/alabama-state-convention-huntsville-hamfest-1>,
Huntsville, Alabama
- August 18 -- ARRL Kansas State Convention
<http://www.arrl.org/hamfests/kansas-state-convention-3>, Salina,
Kansas
- August 25 -- ARRL Western Pennsylvania Section Convention
<http://www.arrl.org/hamfests/western-pennsylvania-section-convention-3>,
New Kensington, Pennsylvania

To find a convention or hamfest near you, click here
<http://www.arrl.org/hamfests>.

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189. Amateur Radio Newsline(tm) Report 1867 - May 24 2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-24 09:00:17 UTC
From: "William M. Pasternak" <newsline@ix.netcom.com>
Message-ID: <20130524090003.86C3C33C6C@panix2.panix.com>
Source record: 199
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

Amateur Radio Newsline(tm) Report 1867 - May 24 2013

Please note that this is an extended Amateur Radio Newsline report and contains three breaks. Newscast begins after the tone.

--

Tone

--

Amateur Radio Newsline report number 1867 with a release date of May 24 2013 to follow in 5-4-3-2-1.

The following is a Q-S-T. Ham radio joins other services in responding to tornadoes in the Great Plains; Israeli hams get limited access to 5 MHz, a distracted driving law that exempts ham radio is signed by Hawaii's governor; a major DXpedition to Heard Island is delayed and an in-depth look at Hamvention 2013. All this and more on Amateur Radio Newsline(tm) report number 1867 coming your way right now.

(Billboard Cart Here)

**

RESCUE RADIO: RADIO SERVICES RESPOND TO MIDWEST TORNADOES

Several radio services including broadcasters and hams responded as several days of severe weather including tornadoes hit the Central Plains. Amateur Radio Newsline's Mark Abramowicz, NT3V, is here with what we know so far:

--

The pictures seen on cable and network news channels of the devastation in Oklahoma have been gut-wrenching.

But emergency officials are saying the warnings and local broadcast coverage by radio and television probably saved hundreds if not thousands of lives.

Amateur radio played a part in the initial hours after the tornado went through the community of Moore in the Oklahoma City area.

Kevin O'Dell, N0IRW, is the American Radio Relay League section manager for Oklahoma. He tells Newsline in an interview that the real call-up came through the Amateur Radio Emegency Service for operators to assist the Red Cross chapter.

"We've had one specific request of ARES to assist with the Red Cross in communications between the chapter office and their feeding area down at the incident command post and we secured from that."

O'Dell says the operation secured Wednesday night.

"I do know of a couple of instances where there have been some other folks that have been involved not for any real length of time. Once Comm-El got their systems up and running, everything was in pretty good shape."

O'Dell, who lives about 75 miles north of the tornado-affected region of the state, says while the devastation is vast, it is confined to a narrow area. And that enabled emergency crews to keep police, fire and emergency radios up and running and restore wireless service rapidly.

"What a lot of people don't understand is that this is a 17-mile-long tract but it's only a couple of miles wide," O'Dell says. "You get outside of that and things work pretty well. So, just the communication within that strip is the only thing that's been really in question."

O'Dell says the Oklahoma City-Moore area has lots of experience dealing with tornadoes....

"This isn't their first rodeo," O'Dell says. "These people know what they're doing, they're very good at it. The communications systems because of this and because of events they've had in the past, especially the May 3, 1999 storm that went basically through a very similar part of Moore, a lot of the communications systems have been hardened a whole lot.

"And, have also been decentralized. So that the infrastructure issue isn't quite as big a deal as you would have in a much broader situation."

O'Dell describes the people of Oklahoma as resilient.

Although he concedes there are a couple people who lost their homes in 1999 and on the same site in the most recent tornado.

O'Dell says he wouldn't be surprised if some of them took this second hit as a divinely-inspired message to move elsewhere.

For the Amateur Radio Newsline, I'm Mark Abramowicz, NT3V.

--

As this newscast is being prepared rescue workers are still sifting through the rubble of the twisters that brought death and destruction to the area. Meantime ham radio operators remain on alert in case they are needed. (ARNewsline(tm))

**

PROPAGATION ALERT: M5 X-RAY FLARE OF MAY 22, 2013

Some breaking propagation news. I'm Bill Pasternak, WA6ITF

CQ Magazine reports via Facebook that a strong M5.0 solar flare occurred on Wednesday, May 22nd at around 13:32 UTC. Its origin was on the sunspot 1745, on the west side of the Sun.

A CME or coronal mass ejection was projected into space and is clearly visible in the images of NASA SOHO spacecraft. If the plasma is directed Earthward the CME could soon trigger aurora and other geomagnetic activity including some level of High Frequency radio degradation.

If you are on Facebook be sure to "Like" the CQ Magazine to have alerts like this show up in your timeline. More information on this event, as well as sunspots and solar flares is on-line at SunSpotWatch.com

I'm Bill Pasternak, WA6ITF. Jim. (CQ via Facebook)

**

RESTRUCTURING: ISRAELI AMATEURS GET LIMITED 5 MHZ TEMPORARY ACCESSES

The Israel's radio regulator has decided to grant temporary permissions on an individual application basis for use of eight discrete frequencies between 5298.5 and 5.047 MHz. These channels are available to General and Extra Class license holders. The maximum power allowed is 100 Watts Peak Envelope Power measured at the Transmitter rather than Effective Radiated Power from the antenna.

The Israel Amateur Radio Club is that nation's national amateur radio society. It says that it's main goal in obtaining this allocation is to experiment for local short range emergency communication readiness and that long distance activity is a side product.

The validity of this temporary authority is from a given applications approval date until mid March 2014 but it appears this could be extended. Operation is on a secondary status and was coordinated with the Spectrum Committee representing primary and other relevant spectrum users. More information is on-line at tinyurl.com/Israel-5-mhz. (IARC, RSGB)

**

RADIO LAW: HAWAII CELL LAW EXCLUDING HAM RADIO SIGNED BUY GOVERNOR

Mobile ham radio operations have received an exclusion as Hawaii Governor Neal Ambercrombie signed House Bill 980 on Monday May 20th. . This is the State's new law that takes effect on July 1st and enforces a ban on the use of mobile electronics and places strict limitations on text messaging while operating a motor vehicle.

Specifically, with certain exceptions, House Bill 980 prohibits the use of cellphones and other mobile electronic devices while operating a vehicle statewide. It specifically prohibits activities such as texting, instant-messaging, gaming and e-mailing, which take a driver's

eyes and mind off the road and hands off of the steering wheel. The use of hands-free devices remain permitted but a new change is a restriction for those under 18 years of age.

According to Ron Hashiro, AH6RH, the exemption for mobile amateur radio use which was already available in four counties has survived the 2013 State Legislature and remains in effect state-wide.

Hashiro, who is the Hawaii State Civil Defense ARES Emergency Coordinator and the State Civil Defense RACES Coordinator praised the amateur radio operators who since 2009 who have been involved in the legislative effort to preserve mobile amateur radio operating privileges. More is on the web at tinyurl.com/hawaii-cell-law-signed (AH6RH)

**

BREAKING DX NEWS: HEARD ISLAND DXPEDITION RESCHEDULED

Some breaking news in the world of DX. This with word that a planned Cordell Expedition operation from Heard Island has been postponed until January of 2015.

According to expedition organizer Robert Schmieder, KK6EK and co-planner Rich Holoch, KY6R, the primary reason for the delay was the cost of using the preferred vessel, the Marion Dufresne, to put the team on the island for the required time.

In note to the Ohio Penn DX Newsletter and republished by the Southgate News, KK6EK and KY6R say that despite extensive negotiations and rescheduling of the cruise, it became clear that the cost of using this vessel will exceed $1 million. Therefore the total cost for the project would be about $1.5 million and that even increasing the team size to 50 to partially cover this cost was not enough. So the planners reluctantly concluded that sponsorship at this level would be impossible.

KK6EK and KY6R say that they have therefore decided to delay the expedition to the early 2015 date to allow more time to restructure the project. It will also give them the ability to locate a more suitable vessel and bring the cost more in line with projected available resources.

According to Club Log, Heard Island is Number 7 on its DXCC Most Wanted List. The operations website is at www.heardisland.org. A detailed account of the problems being incurred in planning this important expedition is on line at tinyurl.com/Heard-Rescheduled and we will have more DX related news near the end of this week's newscast. (OPDX, Southgate)

**

BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the N8URW repeater serving Jackson, Michigan.

(5 sec pause here)

**

HAM HAPPENINGS: A LOOK AT HAMVENTION 2013

The 2013 Dayton Hamvention will likely go down in the amateur radio history books as one of the best. And while it will be a while before we know the actual number of those attending, all indictors say that it was again a banner year. Amateur Radio Newsline's Stephan Kinford, N8WB, reports:

--

It was rather foggy on Friday, May 17th when the doors opened at the Hara Arena for the 2013 Dayton Hamvention. But the gloom outside was quickly replaced by crowds of hams inside the showplace ready for three days of ham radio fun. One of these was Hollywood producer Dave Bell, W6AQ:

--

Bell: "So the first thing I do is go down the ramp to deposit my ticket stub; my winning ticket stub which has never won. And then down into the main arena which I call the `snake pit' because it is always full and this Friday it was even fuller than usual. It was packed/

"I turned around and went out the the way I came in and into a relatively empty hallway to go around to where the rest of the merchants were and it was busy over there too. I think the merchants must have done a gangbusters business this time."

--

According to several long time attendees, numbers appeared good for an opening day as its been the past two or three years. The ARRL reports that its Expo area drew a substantial crowd with popular activities such as the W1AW 75th anniversary exhibit, the Youth Lounge and spectral purity testing provided courtesy of the ARRL Lab. And as usual, lines formed immediately for DXCC card checking.

There were several new products introduced at Hamvention 2013 and while we do not have time this week to cover all of them, perhaps one of the most interesting was Yaesu's new High Frequency transceiver. Tim Phactor, KT7F, of Yaesu described the new entry:

--

Phactor: "Weve come out with a very new HF rig which is called the FTDX-1200 which is an entry level TFT screen radio.

"Last year you may remember that we came out with the FTDX-3000 which was an opportunity for those who liked the 5000 to have a price point a little less. So this year we just topped that with now an entry level TFT screen radio with a built-in bandscope and the kind of features you would find on a higher priced radio."

--

Not to be outdone, Icom was there with two new products. The company showcased both its ID-51A portable and IC-7100 mobile radios. Both are are D-STAR ready and as such they facilitate clear digital voice, short data messages, worldwide D-STAR linked repeater access over the Internet and more.

The IC-7100 is particularly of interest in that it combines VHF and UHF analog and digital with all-band all-mode mobile operations using a new slanted control head with what is the amateur industries first touchscreen interface. This is the radio many saw previewed on the Ham Nation Internet TV show a few months ago.

Icom, along with several other manufacturers were also prize contributors to one of the highlights at the Hamvention for over a quarter of a century. That being the Youth Forum hosted by New York City educator Carole Perry, WB2MGP. This session usually pulls one of the largest crowds of any session and 2013 was no exception:

--

Perry: "Well this year was a banner year for the Youth Forum. It was our 26th year and we had close to 300 people in what I refer to as the love audience. Those who come out to support the kids.

"I had six young speakers age 10 to 18 who gave phenomenal presentations. We had a scientist doing a live demonstration on cloaking (which is) a new technology and he tied it into his childhood involved with amateur radio. And we had twenty-two radios that were donated by the manufacturers Icom, Kenwood and MFJ. And it was simply wonderful!"

--

Meantime, over in the ARRL Expo area there was also an emphasis on youth and according to the Leagues president Kay Cragie, N3KN, this young peoples interest in ham radio bodes well for the future:

--

Cragie: "One of the things I think is most positive is that young people who are in technical and engineering fields `get' amateur radio today. A lot of them are going to spend their careers in the wireless industry so radio makes sense to them in a way that it might not have twenty or twenty-five years ago when everything was computer programming."

--

Even though the theme of this year's Hamvention was DX, there was a lot there dealing with ham radio technology as well. One of the most interesting hi-tech displays was over at the Amsat booth where AMSAT-North America had the engineering model of the Fox-1 satellite on display. The satellite is presently scheduled to fly in November 2014.

But for the average ham in the street it was a book that caught a lot of attention. The Heil Ham Radio Handbook, Edition 2 is a newly revised edition of Bob Heil, K9EID's earlier work but updated for ham radio in the 21st century. And according to K9EID, this was for him a labor of love:

--

Heil: "The big focus here for us this year is our book. Thanks to a lot of people, Stephan Kinford probably being one of the most valuable, we were able to take our book from 1976 and we've enhanced it. A lot of the old stuff left there but we also put a lot of new stuff in it. And its really been successful here; everybody is thrilled with it and I am honored to bring things to this industry that haven't been here before."

--

Thank you for the compliment Bob. I can tell you that working with you on this project was one I enjoyed as well.

Theres lots more to tell you about Hamvention 2013, but that's all the time we have right now. For the Amateur Radio Newsline, I'm Stephan Kinford, N8WB, in ham radio city, U.S.A.

--

Stephan will be back next week with more on Hamvention 2013. Meantime if you were not there and did not see any of the live streaming video of this years event there's still a way to get a peak at some of the highlights in a slide show video posted to YouTube by Joe Eisenberg, K0NEB, Just take your web browser to tinyurl.com/freeze-frame-video, sit back and enjoy. (ARNewsline(tm))

**

HAM HAPPENINGS: NORTHERN NEVADA SWAPFEST ON JUNE 1ST

Turning to other events on the ham radio social calendar, the 8th annual Northern Nevada Swap Meet is slated for Saturday, June 1st at the Brad Hollander N7RCA Ranch in the city of Minden. That's about 15 miles South of Carson City. Anyone interested in radio from the latest and greatest to old boat anchor gear is welcome. A map and contact information is on-line at www.N7RCA.info. (N7RCA)

**

HAM HAPPENINGS: SEA-PAC AMATEUR RADIO CONVENTION MAY 31 -JUNE2

The SEA-PAC Amateur Radio Convention takes place in Seaside, Oregon, May 31st to June 2nd. SEA-PAC is the Northwest's largest amateur radio gathering with communication equipment dealers and factory representatives on hand to demonstrate the very latest in ham radio technology. Also seminars will be held on emergency communications, digital communications, the national electrical code for amateur radio and there will also be amateur radio licensing testing. For more information on this fun event take your web browser to seapac.org. (SEA-PAC)

**

BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

ENFORCEMENT: PITTSBURGH CB OPERATOR ISSUED $18000 NAL

A Pennsylvania Citizens Band radio operator has been issued an $18,000 Notice of Apparent Liability for several violations of Part 95 of the FCC rules. Amateur Radio Newsline's Heather Embee, KB3TZD, reports:

--

In its May 14 order the FCC alleges that Pittsburgh resident Nathaniel Johnson failed to comply with restricted hours of station operation as required in an official notice. Also that he failed to make his CB station available for inspection by authorized FCC representatives.

This story goes back to January 19, 2012. Thats when the FCC received a complaint alleging that Nataniel Johnson's CB station was causing interference to his neighbors' telephone and television reception.

When agents in the Enforcement Bureau's Philadelphia Office attempted to conduct an on-scene inspection at Johnson's residence on February 16, 2012, no one answered the door. So on March 19, 2012, the Philadelphia Office sent a Warning Letter to Johnson, directing him to contact the Philadelphia Office within ten calendar days to schedule an inspection. The Warning Letter also specified that if the harmful interference continued, and arrangements were not made with the Philadelphia Office to schedule an inspection, the Commission might impose restricted hours of operation for the CB station. Johnson did not contact the Philadelphia Office to schedule an inspection as directed.

This pattern repeated itself even after the FCC sent Johnson two separate warning letters and imposed quiet hours on his operation.

On October 11, 2012, agents from the Philadelphia Office performed an on-scene investigation to confirm the source of continuing interference to televisions and telephones in Nathaniel Johnson's neighborhood. At 9:55 a.m., during the Quiet Hours period, the agents monitored multiple radio transmissions on the frequencies 27.025 MHz, 27.055 MHz, and 27.015 MHz. They then T-Hunted the interference directly to Johnson's residence.

Agents then knocked multiple times on the door but no one answered but the transmissions on 27.025 MHz, 27.055 MHz, and 27.015 MHz ceased. The agents left copies of the June 12 Warning Letter on Johnson's front door, back door, and in his mailbox to remind him of the operational restrictions and the directive to immediately contact the Philadelphia Office to schedule an inspection.

However the FCC says that to the day it issued the Notice of Apparent Liability that Nathaniel Johnson still had not contacted the Philadelphia Office, and that Office continues to receive interference complaints concerning Johnson's CB station operation.

For the Amateur Radio Newsline, I'm Heather Embee, KB3TZD, in Berwick, P.A..

--

In addition to the $18,000 proposed fine which he was given the customary 30 days to pay the FCC has also ordered Johnson submit a written statement, signed under penalty of perjury, confirming compliance with the Quiet Hours restriction. He is also ordered to specify a date and time no later than forty-five calendar days from issuance of the NAL when FCC agents can inspect his CB radio station. (FCC)

**

PUBLIC SERVICE: HAM RADIO COMMUNICATORS NEEDED FOR 2013 SUMMER SPECIAL OLYMPIC GAMES

Ham radio volunteers in Southern California are needed to provide communicators for the 2013 Special Olympics Summer Games. The dates are June 8 and 9 with the venue being the California State University in the city of Long Beach.

More than 1,100 athletes from throughout the region will showcase their determination, courage, and skills at this years summer games. This event is free and open to the public. If you or your group is available to volunteer please contact Mark Lidikay, KE6TNM, by e-mail to MLidikay (at) holdenandrew (dot) com (KE6TNM via N6ZXJ)

**

NAMES IN THE NEWS: CLYBURN NOW ACTING CHAIR OF THE FCC

Some names in the news. First up is FCC Commissioner Mignon Clyburn who became acting chair of the agency, effective Monday, May 20th. She

is temporarily replacing former FCC chairman Julius Genachowski who retired from that position on Friday, May 17th.

Clyburn is the first woman to hold that post and will continue to helm the agency until President Obama's nominee for Chairman, Tom Wheeler can receive his nomination hearing. According to a Senate Commerce Committee spokesman that's not likely to happen any earlier than sometime in June.

Also up for grabs is the seat of now retired Commissioner Robert McDowell who is headed for a new position at the Hudson Institute. That could take from several weeks to several months. Until at least one of the two vacant positions can be filled the FCC will be at operating with the bare minimum of three seated commissioners that is required for a quorum. (RW)

**

NAMES IN THE NEWS: JUSTIN JOHNSON, G0KSC RECEIVES AWARD FROM RSGB

InnovAntennas, Ltd. founder Justin Johnson, G0KSC, has been awarded the Harold Rose Plate by the Radio Society of Great Britain. This in recognition of Justin's many contributions to 50 MHz antenna technology and the amateur radio community.

The award citation was presented to G0KSC at the RSGB's Annual General Meeting in April. This is considered to be a very prestigious honor and was made in recognition of Justin's years of design, development and teaching of the tools and techniques that have led to the introduction of several novel antenna designs. These include such antennas as the Loop Fed Array and the Optimized Wide-band Low-Impedance Yagi. (GB2RS)

**

NAMES IN THE NEWS: CQ MAGAZINE ANNOUNCES HALLS OF FAME INDUCTEES

CQ magazine has announced eight inductees to its Amateur Radio Hall of Fame. Its also adding two members each to the CQ DX and Contest Halls of Fame.

The 2013 inductees to the CQ Amateur Radio Hall of Fame are longtime amateur radio industry leader Evelyn Garrison, WS7A; former QST Magazine Managing Editor Joel Kleinman, N1BKE; well known BBC correspondent Laurie Margolis, G3UML/GPC3L; former Wireless Institute of Australia leader and Chairman of IARU Region 3 Michael Owen, VK3KI; Harry Rubinstein the ex-9EEV who is credited as the inventor of the printed circuit and several other devices; journalist, author and historian Walker Tompkins, K6ATX; famed guitarist and performer Joe Walsh, WB6ACU, and former CQ Novice Editor Bill Welsh, W6DDB. Evelyn Garrison, Joel Kleinman, Michael Owen, Harry Rubenstein and Bill Welsh are being honored posthumously for their contributions.

The 2013 inductees to the CQ DX Hall of Fame are Vladimir Bykov, UA4WHX/AC4LN and Robert "Gary" Dixon, K4MQG. CQ Contest Hall of Fame inductees are Dale Green, VE7SV, and Charles Fulp, K3WW.

Formal ceremonies to the CQ Contest and CQ DX Halls of Fame took place at last weeks Dayton Hamvention. A more detailed descriptions of this years inductees will appear in the July 2013 issue of CQ magazine. (CQ)

**

BREAK 3

With you 52 weeks a year, every year since 1976. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

**

RADIO HISTORY: FIRST RADIO REPORT OF SPORTING EVENT COMMEMORATED

A bit of radio history. Were you aware that the first reporting by wireless of a sporting event took place in Dublin Bay during the Kingstown Yacht Regatta way back in July 1898? It did and plans are afoot for ham radio to commemorate the event.

The story goes this way. At the request of the Express newspaper, famed inventor Guglielmo Marconi installed wireless equipment aboard the vessel the Flying Huntress and transmitted reports to the harbormaster's office in the town of Kingstown which is now known as Dun Laoghaire. The results were posted in a window and published even before the yachts returned to port.

Now in 2013, to commemorate the event Ireland's Howth Martello Radio Group and the South Dublin Radio Club plan to set up two special event stations. As the races took place off Howth Head, one station will operate from the Martello Tower in Howth and the other from the Maritime Museum in Dun Laoghaire.

The weekend of 20-21 July is proposed for this operation but it has to be added that planning is at an early stage. As such things are still subject to change. (IRTS)

**

RADIO SCIENCE: NASA ROVER EXPLORING GREENLAND ICE SHELF

A new NASA wheeled explorer has been released here on mother Earth. Named Grover which is an acronym for the Goddard Remotely Operated Vehicle for Exploration and Research the radio equipped rover will explore Greenland's ice sheets to better understand how they form, and how quickly they may be melting.

Grover was developed by teams of students in the 2010 and 2011 summer engineering boot camps at Goddard Space Flight Center in Maryland, according to a release from NASA. The 6-foot-tall, 800-pound vehicle is equipped with ground- penetrating radar that will send pulses into the ice sheet, and measure the reflections to tell researchers about the characteristics of the snow and ice layers.

While radio equipped, Grover is solar-powered and semi-autonomous. It began its first mission on Friday, May 3rd, and will continue through Saturday, June 8th. More about this Earth based NASA explorer is in line at tinyurl.com/meet-grover (NASA, Live Science)

**

HAM HAPPENINGS: CALL FOR PAPERS FOR 2013 DIGITAL ARRL-TAPR DCC

Hams worldwide are invited to submit papers for publication in the printed proceedings of the joint ARRL and Tucson Amateur Packet Radio Digital Communications Conference. The conference slated for September 20th to the 22nd in Seattle, Washington but you do not have to attend to submit a paper for consideration. Submissions will not be edited and authors will retain all rights. If you have such a presentation that you would like to see included, please send it before July 31st to Maty Weinberg, ARRL Headquarters, 225 Main Street, Newington, Connecticut, 06111 or by e-mail to maty (at) arrl (dot) org. (ANS)

**

WORLDBEAT: DARC AWARDS: PDF VERSIONS AND PAYMENT VIA PAYPAL

The national amateur radio society of Germany says that following a successful test certain Deutscher Amateur Radio Club awards will become available as PDF printable file at reduced fees, and payment via PayPal will be accepted. At the same time fees for printed awards were adjusted to their actual costs.

The DARC says that as of June onwards printed awards will cost 7 Euros while an e-mailed PDF file award will be available for only 3 Euro. Implementation of this new payment system will begin with the Worked All Europe Award with others to follow.

(DARC)

**

WORLDBEAT: THREE DECADE OLD TI9CCC DATES FINALLY APPROVED

Bill Moore, NC1L, at the ARRL DXCC Desk reports that an almost three decade old operation from Cocos Island has been approved for DXCC credit. According to Moore, over the years some applicants have had the TI9CCC operation rejected in their DXCC application mostly due to an "Incorrect Date Period." Now, the issue with the dates for this operation has been resolved. If you had this operation rejected, and your confirmation falls between February 15 through February 28, 1984 you are invited to send an e-mail to bmoore (at) arrl (dot) org to be

placed on the list for an update to your record.

(ARRL DXCC)

**

DX

In DX, word that OD5SK is currently active from Jordan as JY8KS. He is reported to be on the HF bands only. QSL via IZ8CLM.

Five English amateurs will use the callsign SZ8S from the Greek island of Samos through the 30th of May. This will count as EU-049 for the Islands on the Air Award. QSLs go via G1LAT for direct cards or via M0SCG for bureau cards.

VE3DZ will be active from Bermuda through May 30th as VP9FOC He will be operational on all of the High Frequency bands QSL via home call.

DJ2II will visit IOTA reference EU-042 through May 30th working stroke P on 80 through 10 meters. He will be using SSB and CW only. QSL via DJ2II either direct or via the bureau.

K9VV and WP2XX will be visiting the Radio Reef DXers super station on St Croix Island from May 21st to 28th. They will be on the air with their own callsigns and as KP2M for the CQ WPX CW contest. QSL for KP2M go via Logbook of the World or direct via AI4U.

UT6UD will be operational from Hiva Oa Island in the Marquesas from July 7th to the 13th and from Rurutu in the Austral Islands from July 14th to the 22nd operating stroke F Oh. He will be active on 30 through 10 meters on CW , SSB , RTTY. QSL via his home call of UT6UD.

Lastly, WB8BZK will be on the air stroke VE3 from Seseganaga Lake in Ontario. Canada between May 26th and 31st. He will be operating only on 6 meters, primarily on 50.135MHz running SSB and CW. Operating times are tentatively each morning at 1230 GMT and then again between 22.30 and 23.00 GMT each evening. If you make contact, please QSL with a self addressed, USA- stamped envelope to WB8BZK at his address on QRZ.com.

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THAT FINAL ITEM: DAYTON 2013 - THE MARGELLI REPORT

And finally this week, no report on the Dayton Hamvention would be complete without a few words from someone who has quite literally devoted his entire life and professional career to amateur radio. Heres a quick assessment of this years Dayton gathering from Chip Margelli, K7JA:

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Margelli: "Ive seen a lot of excited people this weekend looking to put up new antennas or get new radios or looking tp learn something

new.

"The theme of the convention this year is DX and to me DX is what ham radio is all about. It's right at the heart and soul of everything to do with ham radio.

"Everybody seems to be having a good time learning, seeing, meeting up with old friends and just having a ball in Dayton."

--

Thank you Chip and our thanks also to the organizers of Hamvention 2013 for yet another great show. Ands less we forget to mention, mark your calendars now with the dates of next May 16, 17 and 18 for Hamvention 2014. We will see you there. (ARNewsline(tm))

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News, TWiT-TV and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

Before we go a reminder that the there are only about a week and a half left to nominate a young ham age 18 or under for this years Amateur Radio Newsline Young Ham of the Year Award. The closing date is midnight on May 30th and any nominations postmarked or sent to us electronically after that date will not be counted for this years judging. This years winner will receive an expense paid trip to the Huntsville Hamfest courtesy of Yaesu USA, a week at Spacecamp Huntsville from CQ Magazine, a prize of ham radio gear and a plaque commemorating the event from us here at the Amateur Radio Newsline. Full details and a nominating form are on our website at www.arnewsline.org/yhoty. We look forward to receiving your nominations.

For now, with Bill Pasternak, WA6ITF, at the editors' desk, I'm Jim Davis, W2JKD, saying 73 from Florida's Treasure Coast, and we thank you for listening.

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190. FCC Daily Digest 05/24/2013

Newsgroup: rec.radio.amateur.moderated
Date: 2013-05-24 15:45:41 UTC
From: noreply@info.fcc.gov
Message-ID: <ADMIN-44256-527938-2013.05.24-11.07.56--rec-radio-info#panix.com@info.fcc.gov>
Source record: 200
Cross-posted to: rec.radio.amateur.moderated,rec.radio.amateur.policy,rec.radio.info

(Moderator's Note: Only FCC Part 97 Amateur Radio actions are shown below.)

Daily Digest

Vol. 32 No. 100 May 24, 20
13

[...]

Released: 05/24/2013. PUBLIC SAFETY AND HOMELAND SECURITY BUREAU SEEKS C
OMMENT ON SANDOVAL COUNTY, NEW MEXICO REQUEST FOR WAIVER TO OPERATE VEHICUL
AR REPEATER UNITS ON AN INDUSTRIAL/BUSINESS FREQUENCY. (DA No. 13-1213). C
omments Due: 06/13/2013. Reply Comments Due: 06/24/2013. PSHSB . Contact
: David Siehl at (202) 418-1313, email: David.Siehl@fcc.gov, TTY: (202) 41
8-7233 http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-1213A1.doc
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-1213A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-1213A1.txt

[...]

PROCEDURES FOR ASSESSMENT AND COLLECTION OF REGULATORY FEES/ASSESSMENT AND
COLLECTION OF REGULATORY FEES FOR FISCAL YEAR 2013/ASSESSMENT AND COLLECTI
ON OF REGULATORY FEES FOR FISCAL YEAR 2008. Proposed FY 2013 regulatory f
ees. by NPRM. (Dkt No. 12-201 13-58 08-65). Action by: the Commission. C
omments Due: 06/19/2013. Reply Comments Due: 06/26/2013. Adopted: 05/22/
2013 by FNPRM. (FCC No. 13-74). OMD http://hraunfoss.fcc.gov/edocs_public
/attachmatch/FCC-13-74A1.docx
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-74A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-13-74A1.txt

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